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VOLUME 2

THE ALMANAC

OF THE CANNING, FREEZING, PRESERVING INDUSTRIES

SEVENTY-SIXTH EDITION, PUBLISHED AT WESTMINSTER, MARYLAND

1992

SECTION INDEX

VOLUME 1—To Publish February 1993

(Sections in Vol. 1 last published in the 1990-91 Almanac, March 1991)

Detailed Index to Contents
I—Association and FDA Personnel
II—Food Law and Regulations
III—Labeling and Packaging
IV—Emergency Permits, FDA Good Mfg. Practice, USDA Canning Regs., Frozen Food Code
V—FDA Standards of Identity, Quality, Fill

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Since 1916— The Industry's Indispensable Reference Manual

INCLUDING THE INDUSTRY'S YELLOW PAGES.

THE ALMANAC

OF THE CANNING, FREEZING, PRESERVING INDUSTRIES

1992

Volume 2

(Volume 1 not published for 1992)

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■

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The Section Index on the front cover reveals the basic layout of THE ALMANAC. Additionally there is a short index on the first page of each Section, and a detailed index to the Yellow Page Buyers' Guide following that Section. Volume 1 will contain an index to the Federal Food, Drug & Cosmetic Act and to Title 21, Chapter I of the Code of Federal Regulations.

In the following detailed index, the editor has made every effort to cross index as far as possible without making it too bulky and cumbersome. The volume of detail included in this work, however, creates a nearly impossible indexing problem. Bear in mind that Volume 2 is updated to July 1, 1992.

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THE ALMANAC

OF THE CANNING, FREEZING, PRESERVING INDUSTRIES

Section VII

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Source: Crop Reporting Board, Statistical Reporting Service, U.S.D.A.

In order to stay within the fiscal funding level the U.S. Department of Agriculture's Statistical Reporting Service reduced the number of fresh market and processing vegetable crop estimates beginning with the 1982 crop year.

Fresh market estimates for artichokes, asparagus, snap beans, brussels sprouts, cabbage, cantaloupes, cucumbers, eggplant, escarole/endive, garlic, green peppers, watermelons and spinach were discontinued. Estimates for asparagus were resumed with the 1984 crop year.

Processing vegetable crop estimates were discontinued for lima beans, beets, cabbage for kraut, cucumbers for pickles, spinach and asparagus. Estimates for asparagus and cucumbers were resumed with the 1984 crop year.

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PRINCIPAL VEGETABLE CROPS FOR PROCESSING

SNAP BEANS—HARVESTED ACREAGE—1,000 ACRES (Rounded)

	1982	1983	1984	1985	1986	1987	1988	1989	1990	*1991
New York	35.6	33.8	32.8	33.4	25.8	28.6	28.0	25.2	22.6	23.4
New Jersey	9.3	6.2	8.0	8.3	(a)	(a)	(a)	(a)	(a)	(a)
Pennsylvania	6.2	4.5	4.9	4.5	4.5	6.6	6.4	5.7	8.5	6.2
Delaware	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Maryland	2.6	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
EAST†	53.7	44.5	45.7	46.2	30.3	35.2	34.4	30.9	31.1	29.6
Virginia	(a)	(a)	(a)	(a)	(a)	(a)	(a)	.....	(a)	(a)
North Carolina	1.5	(a)	(a)	1.7	(a)	(a)	(a)	(a)	(a)	(a)
Florida	2.0	.6	2.5	1.2	(a)	(a)	(a)	(a)	(a)	(a)
SOUTHEAST†	3.5	.6	2.5	2.9	(a)	(a)	(a)	(a)	(a)	(a)
Illinois	(a)	(a)	(a)	(a)	(a)	(a)	9.5	24.8	24.6	22.8
Indiana	1.1	1.9	2.8	3.2	1.6	5.8	6.2	4.6	6.6	3.1
Michigan	14.2	14.8	17.5	18.7	17.6	19.5	21.0	21.5	27.0	26.5
Minnesota	(a)	(a)	(a)	(a)	(a)	5.2	5.4	5.9	6.8	(a)
Wisconsin	64.5	72.4	77.6	85.8	77.8	88.7	82.8	82.5	78.7	77.4
MID-WEST†	79.8	89.1	97.9	107.7	97.0	119.2	124.9	139.3	143.7	129.8
Arkansas	3.6	3.3	3.1	3.3	2.6	3.0	3.6	(a)	(a)	(a)
Tennessee	6.9	4.9	5.3	5.0	5.3	5.4	6.0	5.2	5.0	5.0
Oklahoma	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Texas	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
SO. CENTRAL†	10.5	8.2	8.4	8.3	7.9	8.4	9.6	5.2	5.0	5.0
Colorado	.5	....	....	....	....	....	....	....	....	....
Washington	2.1	1.4	1.1	1.5	1.2	1.1	.8	1.1	(a)	(a)
Oregon	25.7	22.4	23.9	23.2	22.3	20.3	21.7	25.7	25.4	23.7
California	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
WEST†	28.3	23.8	25.0	24.7	23.5	21.4	22.5	26.8	25.4	23.7
OTHER STS†	28.6	30.5	37.1	32.4	31.9	39.8	26.2	(b)46.8	(b)40.9	45.4
For Freezing	60.0	57.2	62.3	62.1	55.9	65.5	62.5	70.3	77.1	68.0
For Canning	144.5	139.5	154.3	160.1	134.6	158.5	155.2	178.7	169.0	165.4
PROCESSING	204.4	196.7	216.6	222.2	190.6	224.0	217.6	249.0	246.1	233.4
FRESH MKT.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
TOT. U.S.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

n.a. - Not available. (a) Included in "Other States". † Area totals do not include quantities in "OTHER STS." (b) Includes 2,700 acres in Georgia in 1989 and 2,700 acres in Georgia in 1990. *Preliminary.

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SNAP BEANS — YIELD PER ACRE — TONS (Rounded)

	1982	1983	1984	1985	1986	1987	1988	1989	1990	*1991
New York	2.8	2.6	2.5	2.7	2.3	2.5	1.9	2.8	3.1	3.2
New Jersey	2.7	1.8	2.8	3.1	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Pennsylvania	2.2	1.8	2.9	3.4	2.0	2.0	1.9	2.6	2.9	1.5
Delaware	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Maryland	2.4	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Virginia	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	....	n.a.	n.a.
North Carolina	2.8	n.a.	n.a.	1.7	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Florida	1.5	1.5	1.5	1.5	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Illinois	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	3.3	3.3	2.4	2.6
Indiana	3.2	1.3	3.1	2.6	2.7	2.7	2.8	3.2	2.5	2.5
Michigan	2.6	2.8	2.8	2.6	2.4	2.2	1.8	2.9	3.0	3.1
Minnesota	n.a.	n.a.	n.a.	n.a.	n.a.	3.4	2.5	3.8	2.7	n.a.
Wisconsin	3.0	2.9	3.0	2.9	3.2	3.2	2.5	3.4	3.3	3.6
Arkansas	2.8	2.2	1.4	2.2	1.5	2.2	1.8	n.a.	n.a.	n.a.
Tennessee	2.6	1.8	2.1	2.3	1.4	2.0	1.4	1.8	1.8	1.7
Oklahoma	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Texas	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Colorado	3.6	....	....	....	....	....	....	....	....	....
Washington	3.5	3.9	3.4	3.1	4.1	4.5	4.6	4.4	n.a.	n.a.
Oregon	5.2	5.5	5.4	5.4	6.2	5.8	5.8	6.8	5.8	5.9
California	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
For Freezing	3.2	3.1	3.2	3.4	3.4	3.1	3.0	3.9	3.5	3.4
For Canning	3.1	2.9	3.0	3.1	3.1	3.0	2.6	3.3	3.1	3.3
US PROC AV	3.2	3.0	3.1	3.2	3.2	3.1	2.7	3.5	3.2	3.3

SNAP BEANS — PRODUCTION — 1,000 TONS (Rounded)

	1982	1983	1984	1985	1986	1987	1988	1989	1990	*1991
New York	100.4	88.2	82.7	91.2	60.4	70.6	52.9	69.6	70.1	73.7
New Jersey	24.7	11.3	22.5	26.0	(a)	(a)	(a)	(a)	(a)	(a)
Pennsylvania	13.4	7.9	14.1	15.4	9.0	13.2	12.0	14.5	24.9	9.4
Delaware	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Maryland	6.3	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
EAST†	144.8	107.4	119.3	132.6	69.3	83.8	64.9	84.1	95.0	83.1
Virginia	(a)	(a)	(a)	(a)	(a)	(a)	(a)	....	(a)	(a)
North Carolina	4.1	(a)	(a)	2.8	(a)	(a)	(a)	(a)	(a)	(a)
Florida	3.0	.9	3.8	1.8	(a)	(a)	(a)	(a)	(a)	(a)
SOUTHEAST†	7.1	.9	3.8	4.6	(a)	(a)	(a)	(a)	(a)	(a)
Illinois	(a)	(a)	(a)	(a)	(a)	(a)	30.9	82.1	59.3	59.7
Indiana	3.5	2.4	8.6	8.2	4.3	15.9	17.7	14.6	16.6	7.9
Michigan	36.6	41.4	49.0	48.6	42.2	42.9	37.8	62.4	79.6	82.2
Minnesota	(a)	(a)	(a)	(a)	(a)	17.4	13.4	22.7	18.4	(a)
Wisconsin	190.3	210.7	235.1	248.8	247.4	279.4	209.5	281.3	257.4	281.0
MID-WEST†	230.5	254.5	292.8	305.6	293.9	355.6	309.2	463.1	431.3	430.7
Arkansas	10.0	7.3	4.4	7.2	3.9	6.6	6.4	(a)	(a'	(a)
Tennessee	17.9	8.9	11.3	11.3	7.6	10.8	8.4	9.1	8.9	8.3
Oklahoma	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Texas	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
SO. CENTRAL†	27.9	16.3	15.7	18.4	11.5	17.4	14.8	9.1	8.9	8.3
Colorado	1.9	....	....	....	....	....	....	....	....	....
Washington	7.4	5.5	3.7	4.7	4.9	5.0	3.7	4.8	(a)	(a)
Oregon	133.4	123.7	128.3	124.8	138.7	117.9	125.2	174.0	147.3	139.8
California	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
WEST†	142.7	129.2	132.0	129.5	143.6	122.9	128.9	178.8	147.3	139.8
OTHER STS	90.8	79.2	102.6	111.8	91.1	106.0	70.5	(b)134.7	(b)113.5	113.8
For Freezing	193.8	178.5	201.6	213.3	189.3	205.0	187.6	272.8	270.9	230.8
For Canning	450.1	409.0	464.5	489.2	420.1	480.8	400.6	596.9	525.1	545.0
PROCESSING	643.9	587.4	666.1	702.5	609.4	685.8	588.3	869.7	796.0	775.8
FRESH MKT	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
TOTAL U.S.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

† Area totals do not include quantities in "OTHER STATES". (a) Included in "OTHER STATES". n.a. Not available. (b) Includes 6,210 tons in Georgia in 1989 and 5,940 tons in Georgia in 1990. *Preliminary.

PRINCIPAL VEGETABLE CROPS FOR PROCESSING — Cont.

SNAP BEANS — VALUE PER TON — DOLLARS

	1982	1983	1984	1985	1986	1987	1988	1989	1990	*1991
New York	178.00	178.00	181.00	184.00	170.00	165.00	161.00	188.00	184.00	190.00
New Jersey	202.00	200.00	202.00	206.00	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Pennsylvania	201.00	198.00	200.00	207.00	186.00	195.00	213.00	226.00	212.00	218.00
Delaware	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Maryland	217.00	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Virginia	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	....	n.a.	n.a.
North Carolina	190.00	n.a.	n.a.	234.00	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Florida	200.00	200.00	300.00	300.00	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Illinois	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	181.00	216.00	223.00	209.00
Indiana	129.00	177.00	190.00	175.00	169.00	190.00	203.00	229.00	226.00	149.00
Michigan	145.00	144.00	136.00	158.00	143.00	149.00	175.00	166.00	170.00	157.00
Minnesota	n.a.	n.a.	n.a.	n.a.	n.a.	146.00	138.00	111.00	135.00	n.a.
Wisconsin	137.00	140.00	152.00	152.00	143.00	143.00	151.00	152.00	167.00	146.00
Arkansas	165.00	186.00	176.00	174.00	184.00	164.00	186.00	n.a.	n.a.	n.a.
Tennessee	204.00	200.00	204.00	203.00	199.00	195.00	210.00	240.00	230.00	240.00
Oklahoma	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Texas	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Colorado	142.00	....	....	....	....	....	....	....	....	....
Washington	166.00	147.00	223.00	167.00	202.00	198.00	193.00	184.00	n.a.	n.a.
Oregon	169.00	159.00	176.00	174.00	174.00	178.00	174.00	176.00	186.00	185.00
California	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
For Freezing	184.00	178.00	194.00	190.00	182.00	181.00	183.00	182.00	189.00	187.00
For Canning	158.00	153.00	161.00	160.00	150.00	151.00	161.00	171.00	179.00	169.00
US PROC AV	166.00	160.00	171.00	169.00	160.00	160.00	168.00	174.00	183.00	174.00

n.a. - Not available. *Preliminary.

SNAP BEANS — TOTAL VALUE — 1,000 DOLLARS

	1982	1983	1984	1985	1986	1987	1988	1989	1990	*1991
New York	17,869	15,703	14,961	16,777	10,263	11,656	8,520	13,075	12,891	14,005
New Jersey	4,997	2,256	4,541	5,352	(a)	(a)	(a)	(a)	(a)	(a)
Pennsylvania	2,691	1,568	2,822	3,196	1,667	2,574	2,550	3,286	5,281	2,049
Delaware	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Maryland	1,371	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
EAST†	26,928	19,527	22,324	25,325	11,930	14,230	11,070	16,361	18,172	16,054
Virginia	(a)	(a)	(a)	(a)	(a)	(a)	(a)	....	(a)	(a)
North Carolina	785	(a)	(a)	658	(a)	(a)	(a)	(a)	(a)	(a)
Florida	600	180	1,125	540	(a)	(a)	(a)	(a)	(a)	(a)
SOUTHEAST†	1,385	180	1,125	1,198	(a)	(a)	(a)	(a)	(a)	(a)
Illinois	(a)	(a)	(a)	(a)	(a)	(a)	5,589	17,731	13,222	12,486
Indiana	455	421	1,638	1,428	725	3,019	3,587	3,350	3,756	1,170
Michigan	5,313	5,967	6,664	7,682	6,040	6,392	6,615	10,350	13,541	12,898
Minnesota	(a)	(a)	(a)	(a)	(a)	2,543	1,848	2,515	2,479	(a)
Wisconsin	26,068	29,495	35,740	37,821	35,378	39,956	31,631	42,762	42,977	41,020
MID-WEST†	31,836	35,883	44,042	46,931	42,143	51,910	49,270	76,708	75,975	67,574
Arkansas	1,657	1,363	769	1,251	718	1,087	1,190	(a)	(a)	(a)
Tennessee	3,645	1,784	2,313	2,284	1,508	2,106	1,764	2,184	2,047	1,992
Oklahoma	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Texas	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
S. CENTRAL†	5,302	3,147	3,082	3,535	2,226	3,193	2,954	2,184	2,047	1,992
Colorado	273	....	....	....	....	....	....	....	....	....
Washington	1,227	811	823	777	990	982	706	881	(a)	(a)
Oregon	22,541	19,660	22,588	21,719	24,136	20,993	21,787	30,622	27,402	25,869
California	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
WEST†	24,041	20,471	23,411	22,496	25,126	21,975	22,493	31,503	27,402	25,869
OTHER STS	17,118	15,044	19,951	19,314	15,837	18,301	12,841	(b)24,623	(b)21,717	23,838
For Freezing	35,700	31,699	39,164	40,421	34,359	37,104	34,253	49,560	51,206	43,209
For Canning	70,910	62,553	74,771	78,378	62,903	72,505	64,375	101,819	94,107	92,118
T. US PROC	106,610	94,252	113,935	118,799	97,262	109,609	98,628	151,379	145,313	135,327

† Area totals do not include values in "OTHER STATES". (a) Included in "OTHER STATES". (b) Includes $1,571,000 in Georgia in 1989 and $1,508,000 in Georgia in 1990. *Preliminary.

PRINCIPAL VEGETABLE CROPS FOR PROCESSING—Cont.

SWEET CORN—HARVESTED ACREAGE—1,000 ACRES

	1982	1983	1984	1985	1986	1987	1988	1989	1990	*1991
New York	24.6	25.5	28.3	29.7	27.1	27.9	25.0	27.7	29.7	31.1
Pennsylvania	4.5	3.7	3.6	4.1	3.5	3.0	2.8	2.0	3.5	2.7
Delaware........	3.9	4.0	5.0	4.6	4.9	5.4	5.3	6.3	6.1	6.7
Maryland........	8.6	8.9	8.3	9.0	7.6	6.3	6.8	4.6	7.1	7.1
EAST†	41.6	42.1	45.2	47.4	43.1	42.6	39.9	40.6	46.4	47.6
Illinois	38.4	34.5	36.5	36.2	31.7	27.6	30.3	36.1	34.5	44.0
Wisconsin	122.2	117.9	129.0	131.4	122.2	140.0	138.4	152.0	141.2	166.7
Minnesota	119.3	108.4	115.0	118.3	123.5	112.2	124.2	106.7	130.0	137.8
MIDWEST†	279.9	260.8	280.5	285.9	277.4	279.8	292.9	294.8	305.7	348.5
Idaho	21.5	14.1	17.4	17.3	16.5	17.8	18.2	20.2	20.1	21.6
Washington......	51.7	38.3	32.9	38.9	35.3	44.6	49.2	51.2	56.3	59.0
Oregon..........	45.5	38.8	42.0	38.6	34.9	38.9	38.5	45.5	47.2	47.5
WEST†	118.7	91.2	92.3	94.8	86.7	101.3	105.9	116.9	123.6	128.1
OTHER STS.....	6.7	5.7	9.2	7.2	6.2	7.2	7.5	12.2	14.4	(b)18.1
For Freezing...	156.6	133.4	143.4	162.3	158.5	165.9	170.2	175.4	202.8	215.2
For Canning...	290.3	266.4	283.9	273.0	254.9	265.1	276.0	289.0	287.3	327.0
PROCESSING ...	446.9	399.8	427.2	435.3	413.4	430.9	446.2	464.4	490.1	542.3
FRESH MKT	186.1	190.8	193.0	190.6	184.6	194.3	179.1	178.2	185.8	175.4
TOT. U.S........	633.0	590.6	620.2	625.9	598.0	625.2	625.3	642.6	675.9	717.7

† Area totals do not include quantities in "OTHER STATES". (b) Includes 6,300 acres in Michigan.
*Preliminary.

SWEET CORN—YIELD PER ACRE—TONS IN HUSK

	1982	1983	1984	1985	1986	1987	1988	1989	1990	*1991
New York	5.27	5.21	5.58	4.09	5.12	6.92	3.80	4.00	5.60	3.80
Pennsylvania	3.61	2.48	4.66	3.97	3.29	3.51	3.71	4.89	4.60	4.28
Delaware........	5.28	4.58	5.71	5.73	4.77	4.72	4.98	5.46	5.77	5.33
Maryland........	4.61	3.59	5.86	6.04	5.46	5.16	5.04	5.24	6.14	5.98
Illinois	4.88	4.19	5.32	5.71	4.79	5.41	3.96	5.61	5.17	4.90
Wisconsin	4.60	4.82	4.95	5.09	5.37	5.50	4.40	5.33	5.73	5.99
Minnesota	5.73	4.60	5.82	5.77	5.95	6.50	4.38	6.10	5.79	5.71
Idaho	8.71	8.32	8.17	8.53	9.01	9.35	9.00	9.01	8.28	8.36
Washington......	9.08	9.12	7.47	8.40	8.37	9.02	8.75	9.19	8.38	8.45
Oregon..........	9.01	8.55	8.70	9.19	9.24	8.84	9.18	8.68	8.40	8.42
Other States	5.16	4.37	4.88	4.77	5.63	6.07	4.49	4.88	5.88	5.14
For Freezing...	7.20	6.75	6.76	6.84	6.84	7.41	6.42	7.19	7.12	6.78
For Canning...	5.56	4.98	5.58	5.60	5.79	6.18	4.81	5.84	5.84	5.87
U.S. PROC. AV....	6.13	5.57	5.97	6.06	6.19	6.65	5.42	6.35	6.37	6.23

*Preliminary.

SWEET CORN—PRODUCTION—1,000 TONS IN HUSK

	1982	1983	1984	1985	1986	1987	1988	1989	1990	*1991
New York	129.6	132.9	157.9	121.5	138.8	193.1	95.0	110.8	166.3	118.2
Pennsylvania	16.3	9.2	16.8	16.3	11.5	10.5	10.4	9.8	16.1	11.6
Delaware	20.6	18.3	28.6	26.4	23.4	25.5	26.4	34.4	35.2	35.7
Maryland	39.7	32.0	48.6	54.4	41.5	32.5	34.3	24.1	43.6	42.5
EAST†	206.1	192.4	251.9	218.5	215.1	261.6	166.1	179.1	261.2	207.9
Illinois	187.4	144.6	194.2	206.7	151.8	149.3	120.0	202.5	178.4	215.6
Wisconsin	562.1	568.3	638.6	668.8	656.2	770.0	609.0	810.2	809.1	998.5
Minnesota	683.6	498.6	669.3	682.6	734.8	729.3	544.0	650.9	752.7	786.8
MID-WEST†	1,433.1	1,211.5	1,502.0	1,558.1	1,542.9	1,648.6	1,273.0	1,663.6	1,740.2	2,001.0
Idaho	187.3	117.3	142.2	147.6	148.7	166.4	163.8	182.0	166.4	180.6
Washington	469.4	349.3	245.8	326.8	295.5	402.3	430.5	470.5	471.8	498.6
Oregon	410.0	331.7	365.4	354.7	322.5	343.9	353.4	394.9	396.5	400.0
WEST†	1,066.7	798.4	753.3	829.1	766.6	912.6	947.7	1,047.5	1,034.7	1,079.1
OTHER STS†	34.6	24.9	44.9	34.4	34.8	43.8	33.7	59.2	84.6	(b)92.8
For Freezing	1,126.9	900.7	969.7	1,110.7	1,083.5	1,228.3	1,092.0	1,261.3	1,443.8	1,459.9
For Canning	1,613.5	1,326.3	1,582.5	1,529.3	1,475.9	1,638.3	1,328.4	1,688.1	1,676.8	1,920.8
PROCESSING	2,740.5	2,227.1	2,552.2	2,640.0	2,559.4	2,866.6	2,420.4	2,949.3	3,120.6	3,380.7
FRESH MKT	721.8	743.4	779.5	778.7	752.5	783.2	715.6	806.8	837.0	738.8
TOT.U.S.	3,462.2	2,970.5	3,331.6	3,418.7	3,311.9	3,649.8	3,136.0	3,756.1	3,957.7	4,119.5

SWEET CORN—VALUE PER TON—DOLLARS

	1982	1983	1984	1985	1986	1987	1988	1989	1990	*1991
New York	64.80	66.10	62.40	63.70	60.00	57.00	55.70	60.80	59.70	70.20
Pennsylvania	58.00	52.20	64.40	52.10	50.30	50.00	52.40	54.00	58.90	56.40
Delaware	58.00	65.20	79.80	71.20	47.90	54.60	69.00	68.70	71.50	104.00
Maryland	57.20	65.90	80.00	65.80	48.20	58.00	62.80	73.30	68.50	72.90
Illinois	68.10	66.30	69.90	67.10	58.60	62.90	69.40	66.50	82.60	90.00
Wisconsin	50.50	56.40	57.30	60.30	57.70	57.50	57.10	63.00	65.90	65.30
Minnesota	56.30	52.90	61.40	59.50	53.80	56.10	55.60	61.50	62.40	64.20
Idaho	64.00	61.70	62.10	62.50	58.20	53.40	53.90	57.90	63.00	68.50
Washington	70.60	60.70	68.00	68.70	68.60	67.10	64.80	74.50	76.90	79.30
Oregon	70.50	68.50	71.10	69.70	66.60	64.20	71.30	80.50	85.50	83.40
Other States	49.10	60.00	58.90	59.60	60.40	60.10	58.80	66.70	58.90	62.25
For Freezing	67.40	62.10	66.60	66.70	62.60	62.80	63.00	69.10	71.40	74.90
For Canning	57.10	58.30	61.90	61.00	56.20	56.70	58.90	65.20	68.00	69.00
US PROC AV	61.40	59.80	63.70	63.40	58.90	59.30	60.80	66.90	69.60	71.60

SWEET CORN—TOTAL VALUE—1,000 DOLLARS

	1982	1983	1984	1985	1986	1987	1988	1989	1990	*1991
New York	8,401	8,782	9,854	7,738	8,325	11,005	5,292	6,737	9,929	8,296
Pennsylvania	943	479	1,081	848	579	527	544	528	948	652
Delaware	1,194	1,194	2,278	1,877	1,119	1,392	1,821	2,363	2,517	3,714
Maryland	2,268	2,106	3,891	3,577	2,000	1,886	2,152	1,767	2,986	3,095
EAST†	12,806	12,561	17,104	14,040	12,023	14,810	9,809	11,395	16,380	15,757
Illinois	12,761	9,584	13,573	13,870	8,898	9,392	8,327	13,468	14,733	19,404
Wisconsin	28,387	32,051	36,589	40,330	37,863	44,275	34,772	51,040	53,318	65,204
Minnesota	38,486	26,378	41,095	40,614	39,534	40,914	30,246	40,029	46,968	50,515
MID-WEST†	79,634	68,013	91,257	94,814	86,295	94,581	73,345	104,537	115,019	135,123
Idaho	11,985	7,238	8,828	9,223	8,653	8,887	8,829	10,538	10,485	12,370
Washington	33,142	21,203	16,712	22,448	20,269	26,994	27,908	35,054	36,281	39,535
Oregon	28,902	22,724	25,980	24,725	21,477	22,077	25,200	31,793	33,899	33,367
WEST†	74,029	51,165	51,520	56,396	50,399	57,958	61,937	77,385	80,665	85,272
OTHER STS†	1,696	1,494	2,649	2,047	2,104	2,635	1,979	3,950	4,976	(c)5,774
For Freezing	75,961	55,939	64,552	74,028	67,823	77,132	68,817	87,148	103,064	109,368
For Canning	92,204	77,294	97,978	93,269	82,998	92,852	78,253	110,119	113,976	132,558
T. US PROC	168,165	133,233	162,530	167,297	150,821	169,984	147,070	197,267	217,040	241,926

† Area totals do not include values in "OTHER STATES". (b) Includes 41,330 tons in Michigan. (c) Includes $3,182,000 in Michigan. *Preliminary.

CUCUMBERS FOR PICKLES—HARVESTED ACREAGE—1,000 ACRES

	1982	1983	1984	1985	1986	1987	1988	1989	1990	*1991
Indiana	n.a.	n.a.	.8	1.1	1.2	1.1	1.2	1.7	1.5	1.6
Michigan	n.a.	n.a.	21.3	24.0	24.0	24.0	23.0	24.5	24.0	22.5
New Jersey	n.a.	n.a.	1.1	.7	.8	.6	.6	.7	(a)	(a)
Ohio	n.a.	n.a.	4.8	4.8	4.5	4.5	3.9	3.7	4.4	3.8
Wisconsin	n.a.	n.a.	7.8	6.7	7.2	5.7	6.8	6.7	7.4	6.7
NORTHERN†	n.a.	n.a.	35.8	37.3	37.7	35.9	35.5	37.3	37.3	34.6
Alabama	n.a.	n.a.	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Florida	n.a.	n.a.	4.7	4.8	4.4	3.9	6.0	2.7	2.4	1.8
Delaware	n.a.	n.a.	1.5	1.5	(a)	(a)	(a)	(a)	(a)	(a)
Maryland	n.a.	n.a.	3.5	3.9	3.3	2.2	(a)	(a)	(a)	(a)
Mississippi	n.a.	n.a.	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
N. Carolina	n.a.	n.a.	26.1	29.1	25.3	24.7	25.9	26.5	24.6	21.4
S. Carolina	n.a.	n.a.	9.3	13.6	13.3	13.2	11.2	11.1	10.3	10.1
Texas	n.a.	n.a.	6.8	6.1	8.2	9.8	14.1	18.1	10.1	5.5
Virginia	n.a.	n.a.	(a)	(a)	.....	(a)	(a)	(a)	(a)	(a)
SOUTHERN†	n.a.	n.a.	51.9	59.0	54.5	53.8	57.2	58.4	47.4	38.8
California	n.a.	n.a.	3.3	4.1	4.0	4.1	3.8	4.3	4.7	4.2
Colorado	n.a.	n.a.	2.2	2.6	1.5	1.3	1.5	1.3	.7	.8
Oregon	n.a.	n.a.	2.0	2.1	1.9	1.9	2.2	2.4	(a)	(a)
Washington	n.a.	n.a.	1.5	1.7	1.7	1.7	1.4	1.7	(a)	(a)
WESTERN†	n.a.	n.a.	9.0	10.5	9.1	9.0	8.9	9.7	5.4	5.0
OTHER STATES	n.a.	n.a.	6.9	8.4	9.2	11.0	17.3	18.8	25.4	25.4
PROCESSING	n.a.	n.a.	103.6	115.2	110.5	109.6	118.9	124.2	115.5	103.8
FRESH MKT	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
TOTAL U.S.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

(a) Included in "OTHER STATES". †Area totals do not include quantities in "OTHER STATES".
n.a. - Not available. *Preliminary.

CUCUMBERS FOR PICKLES—YIELD PER ACRE—TONS

	1982	1983	1984	1985	1986	1987	1988	1989	1990	*1991
Indiana	n.a.	n.a.	11.29	11.71	9.88	11.13	9.50	9.30	9.90	8.05
Michigan	n.a.	n.a.	5.50	5.60	5.80	6.70	5.50	6.00	5.90	6.40
New Jersey	n.a.	n.a.	9.45	11.01	8.47	8.75	6.02	6.13	n.a.	n.a.
Ohio	n.a.	n.a.	11.73	12.60	12.72	10.40	9.30	10.62	10.80	11.75
Wisconsin	n.a.	n.a.	7.87	9.25	7.50	8.03	6.90	7.59	7.35	8.40
Alabama	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Florida	n.a.	n.a.	4.50	5.00	5.50	6.00	6.00	5.30	5.90	7.00
Delaware	n.a.	n.a.	4.77	4.35	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Maryland	n.a.	n.a.	7.51	7.27	6.39	7.40	n.a.	n.a.	n.a.	n.a.
Mississippi	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
N. Carolina	n.a.	n.a.	3.30	3.41	3.20	3.42	3.88	3.28	3.99	4.34
S. Carolina	n.a.	n.a.	3.80	3.57	3.44	2.95	3.55	3.31	4.55	3.20
Texas	n.a.	n.a.	6.00	6.15	5.20	4.80	3.80	3.75	2.75	6.00
Virginia	n.a.	n.a.	n.a.	n.a.	.....	n.a.	n.a.	n.a.	n.a.	n.a.
California	n.a.	n.a.	17.10	17.92	16.17	15.00	18.16	12.20	13.30	13.01
Colorado	n.a.	n.a.	8.58	7.33	9.70	9.62	10.85	8.12	11.34	7.80
Oregon	n.a.	n.a.	12.50	12.15	11.90	12.08	12.10	12.23	n.a.	n.a.
Washington	n.a.	n.a.	11.18	9.88	9.00	9.98	10.22	10.19	n.a.	n.a.
U.S. PROC. AV.	n.a.	n.a.	5.97	6.03	5.79	5.80	5.48	5.18	5.66	6.00

n.a. - Not available. *Preliminary.

PRINCIPAL VEGETABLE CROPS FOR PROCESSING—Cont.

CUCUMBERS FOR PICKLES—PRODUCTION—1,000 TONS (Rounded)

	1982	1983	1984	1985	1986	1987	1988	1989	1990	*1991
Indiana	n.a.	n.a.	8.8	12.9	11.9	12.2	11.4	15.8	14.8	12.9
Michigan	n.a.	n.a.	117.2	134.4	139.2	160.8	126.5	147.0	141.6	144.0
New Jersey	n.a.	n.a.	10.4	7.3	6.5	4.9	3.5	4.1	(a)	(a)
Ohio	n.a.	n.a.	56.3	60.5	57.2	46.8	36.3	39.3	47.5	44.6
Wisconsin	n.a.	n.a.	61.4	62.0	54.0	45.8	46.9	50.8	54.4	56.3
NORTHERN	n.a.	n.a.	254.1	277.0	268.8	270.5	224.6	257.1	258.4	257.8
Alabama	n.a.	n.a.	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Florida	n.a.	n.a.	21.2	24.0	24.2	23.4	36.0	14.3	14.2	12.6
Delaware	n.a.	n.a.	7.2	6.5	(a)	(a)	(a)	(a)	(a)	(a)
Maryland	n.a.	n.a.	26.3	28.4	21.1	16.3	(a)	(a)	(a)	(a)
Mississippi	n.a.	n.a.	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
N. Carolina	n.a.	n.a.	86.1	99.2	81.0	84.5	100.5	86.9	98.2	92.9
S. Carolina	n.a.	n.a.	35.3	48.6	45.8	38.9	39.8	36.7	46.9	32.3
Texas	n.a.	n.a.	40.8	37.5	42.6	47.0	53.6	67.9	27.8	33.0
Virginia	n.a.	n.a.	(a)	(a)	.....	(a)	(a)	(a)	(a)	(a)
SOUTHERN	n.a.	n.a.	216.9	244.2	214.6	210.1	229.8	205.8	187.0	170.8
California	n.a.	n.a.	56.4	73.5	64.7	61.5	69.0	52.5	62.5	54.6
Colorado	n.a.	n.a.	18.9	19.1	14.6	12.5	16.3	10.6	7.9	6.6
Oregon	n.a.	n.a.	25.0	25.5	22.6	23.0	26.6	29.4	(a)	(a)
Washington	n.a.	n.a.	16.8	16.8	15.3	17.0	14.3	17.3	(a)	(a)
WESTERN	n.a.	n.a.	117.1	134.9	117.1	113.9	126.2	109.7	70.4	61.3
OTHER STATES	n.a.	n.a.	30.2	38.4	39.0	40.9	71.0	70.1	137.7	132.9
PROCESSING	n.a.	n.a.	618.2	694.4	639.6	635.5	651.6	642.7	653.5	622.8
FRESH MKT	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
TOT. U.S.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

(a) Included in "OTHER STATES". n.a. - Not available. *Preliminary.

CUCUMBERS FOR PICKLES—VALUE PER TON—DOLLARS

	1982	1983	1984	1985	1986	1987	1988	1989	1990	*1991
Indiana	n.a.	n.a.	130.00	131.00	119.00	160.00	148.00	133.00	166.00	125.00
Michigan	n.a.	n.a.	147.00	158.00	146.00	139.00	156.00	168.00	167.00	152.00
New Jersey	n.a.	n.a.	206.00	204.00	193.00	194.00	197.00	195.00	n.a.	n.a.
Ohio	n.a.	n.a.	185.00	197.00	192.00	178.00	198.00	196.00	220.00	246.00
Wisconsin	n.a.	n.a.	105.00	125.00	160.00	163.00	187.00	184.00	187.00	185.00
Alabama	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Florida	n.a.	n.a.	301.00	275.00	278.00	316.00	300.00	365.00	380.00	410.00
Delaware	n.a.	n.a.	137.00	144.00	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Maryland	n.a.	n.a.	147.00	143.00	193.00	203.00	n.a.	n.a.	n.a.	n.a.
Mississippi	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
N. Carolina	n.a.	n.a.	171.00	198.00	195.00	196.00	207.00	223.00	236.00	257.00
S. Carolina	n.a.	n.a.	196.00	191.00	189.00	192.00	216.00	218.00	220.00	201.00
Texas	n.a.	n.a.	156.00	228.00	200.00	236.00	269.00	265.00	330.00	283.00
Virginia	n.a.	n.a.	n.a.	n.a.	.....	n.a.	n.a.	n.a.	n.a.	n.a.
California	n.a.	n.a.	232.00	189.00	200.00	198.00	213.00	247.00	214.00	230.00
Colorado	n.a.	n.a.	131.00	133.00	139.00	169.00	123.00	140.00	137.00	113.00
Oregon	n.a.	n.a.	155.00	170.00	156.00	157.00	177.00	164.00	n.a.	n.a.
Washington	n.a.	n.a.	162.00	185.00	160.00	180.00	187.00	177.00	n.a.	n.a.
U.S. PROC. AV	n.a.	n.a.	168.00	178.00	177.00	180.00	200.00	204.00	209.00	209.00

n.a. - Not available. *Preliminary.

PRINCIPAL VEGETABLE CROPS FOR PROCESSING—Cont.

CUCUMBERS FOR PICKLES—TOTAL VALUE—1,000 DOLLARS

	1982	1983	1984	1985	1986	1987	1988	1989	1990	*1991
Indiana	n.a.	n.a.	1,145	1,687	1,411	1,958	1,687	2,103	2,465	1,610
Michigan	n.a.	n.a.	17,221	21,235	20,323	22,351	19,734	24,696	23,647	21,888
New Jersey	n.a.	n.a.	2,142	1,483	1,258	951	688	801	(a)	(a)
Ohio	n.a.	n.a.	10,416	11,915	10,990	8,330	7,181	7,701	10,454	10,984
Wisconsin	n.a.	n.a.	6,446	7,748	8,640	7,461	8,774	9,356	10,171	10,412
NORTHERN†	n.a.	n.a.	37,370	44.068	42,622	41,051	38,064	44,657	46,737	44,894
Alabama	n.a.	n.a.	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Florida	n.a.	n.a.	6,366	6,600	6,728	7,394	10,800	5,223	5,381	5,166
Delaware	n.a.	n.a.	981	940	(a)	(a)	(a)	(a)	(a)	(a)
Maryland	n.a.	n.a.	3,865	4,054	4,070	3,305	(a)	(a)	(a)	(a)
Mississippi	n.a.	n.a.	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
N. Carolina	n.a.	n.a.	14,728	19,648	15,787	16,556	20,801	19,383	23,163	23,870
S. Carolina	n.a.	n.a.	6,927	9,273	8,647	7,476	8,588	8,009	10,311	6,496
Texas	n.a.	n.a.	6,365	8,555	8,528	11,101	14,413	17,988	9,167	9,339
Virginia	n.a.	n.a.	(a)	(a)	.....	(a)	(a)	(a)	(a)	(a)
SOUTHERN†	n.a.	n.a.	39,232	49,070	43,760	45,832	54,602	50,603	48,022	44,871
California	n.a.	n.a.	13,092	13,886	12,936	12,177	14,699	12,958	13,377	12,567
Colorado	n.a.	n.a.	2,473	2,535	2,022	2,114	2,002	1,478	1,088	749
Oregon	n.a.	n.a.	3,875	4,338	3,527	3,603	4,712	4,813	(a)	(a)
Washington	n.a.	n.a.	2,717	3,108	2,448	3,055	2,676	3,066	(a)	(a)
WESTERN†	n.a.	n.a.	22,157	23,867	20,933	20,949	24,089	22,315	14,465	13,316
OTHER STATES	n.a.	n.a.	5,064	6,634	6,085	6,542	13,439	13,507	27,089	26,775
PROCESSING	n.a.	n.a.	103,823	123,639	113,400	114,374	130,194	131,082	136,313	129,856

(a) Included in "OTHER STATES". † Area totals do not include quantities in "OTHER STATES".
n.a. - Not available. *Preliminary.

PEAS, GREEN—HARVESTED ACREAGE—1,000 ACRES (Rounded)

	1982	1983	1984	1985	1986	1987	1988	1989	1990	*1991
Delaware	7.9	9.4	11.5	12.4	9.6	9.7	7.7	8.1	8.8	8.0
Maryland	3.1	2.9	2.5	1.9	(a)	(a)	(a)	(a)	(a)	(a)
New York	8.8	9.2	9.2	12.0	8.7	9.9	9.7	10.6	10.0	11.3
EAST†	19.8	21.5	23.2	26.3	18.3	19.6	17.4	18.7	18.8	19.3
Minnesota	60.8	64.2	74.2	81.5	72.7	76.3	74.1	73.7	84.7	79.6
Wisconsin	79.1	81.0	86.2	98.1	70.9	82.5	79.9	85.0	88.5	88.4
MID-WEST†	139.9	145.2	160.4	179.6	143.6	158.8	154.0	158.7	173.2	168.0
California	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Oregon	33.7	34.4	33.6	35.4	29.2	33.3	26.0	34.1	34.9	35.5
Washington	67.7	65.6	64.4	61.5	47.6	41.5	48.2	55.7	57.9	56.3
WEST†	101.4	100.0	98.0	96.9	76.8	74.8	74.2	89.8	92.8	91.8
OTHER STATES	42.7	42.1	48.9	50.8	33.7	37.1	38.3	49.3	56.3	53.6
For Freezing	152.6	150.5	158.9	171.2	128.2	132.3	136.6	161.4	185.4	179.5
For Canning	151.3	158.3	171.6	182.4	144.2	158.0	147.2	155.2	155.7	153.2
T. U.S. PROC.	303.8	308.8	330.5	353.6	272.4	290.3	283.9	316.5	341.1	332.7

(a) Included in "OTHER STATES". † Area totals do not include quantities in "OTHER STATES".
*Preliminary.

PRINCIPAL VEGETABLE CROPS FOR PROCESSING—Continued

PEAS, GREEN—YIELD PER ACRE—POUNDS SHELLED

	1982	1983	1984	1985	1986	1987	1988	1989	1990	*1991
Delaware	3,460	2,940	2,800	3,580	3,220	2,560	3,060	2,360	3,600	1,980
Maryland	3,440	2,340	3,260	4,240	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
New York	3,400	3,000	3,280	4,680	3,700	3,280	2,400	3,200	3,520	2,600
Minnesota	3,200	2,500	2,760	3,160	2,600	2,740	1,440	3,080	2,680	2,120
Wisconsin	3,740	2,720	2,960	3,280	3,220	2,780	1,360	3,060	3,300	2,600
California	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Oregon	2,180	2,340	2,960	2,440	2,340	2,620	2,880	2,820	2,500	3,480
Washington	3,200	2,980	3,400	3,200	3,420	4,120	3,740	3,560	3,260	3,840
For Freezing	3,020	2,720	3,100	3,300	3,100	3,220	2,720	3,200	3,140	3,060
For Canning	3,520	2,800	2,900	3,240	3,000	2,860	1,720	3,180	3,040	2,640
U.S. PROC. AV.	3,260	2,760	3,000	3,260	3,040	3,020	2,200	3,180	3,100	2,880

n.a. - Not available. *Preliminary.

PEAS, GREEN—PRODUCTION—1,000 TONS SHELLED

	1982	1983	1984	1985	1986	1987	1988	1989	1990	*1991
Delaware	13.7	13.8	16.1	22.2	15.5	12.4	11.8	9.6	15.8	7.9
Maryland	5.3	3.4	4.1	4.0	(a)	(a)	(a)	(a)	(a)	(a)
New York	15.0	13.8	15.1	28.1	16.1	16.2	11.6	17.0	17.6	14.7
EAST†	34.0	31.0	35.3	54.3	31.6	28.7	23.4	26.5	33.4	22.6
Minnesota	97.3	80.3	102.4	128.8	94.5	104.5	53.4	113.5	113.5	84.4
Wisconsin	147.9	110.2	127.6	160.9	114.2	114.7	54.3	130.0	146.0	114.9
MID-WEST†	245.2	190.4	230.0	289.7	208.7	219.2	107.7	243.6	259.5	199.3
California	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Oregon	36.7	40.3	49.7	43.2	34.2	43.6	37.4	48.1	43.6	61.8
Washington	108.3	97.7	109.5	98.4	81.4	85.5	90.1	99.2	94.4	108.1
WEST†	145.1	138.0	159.2	141.6	115.6	129.1	127.6	147.2	138.0	169.9
OTHER STATES	72.1	66.3	70.9	92.3	59.1	62.6	54.5	87.4	97.2	86.3
For Freezing	230.7	204.8	246.3	282.3	198.7	213.4	186.4	257.6	291.6	275.4
For Canning	265.6	220.9	249.0	295.6	216.2	226.1	126.7	247.0	236.5	202.7
T. U.S. PROC.	496.3	425.7	495.3	577.8	414.9	439.5	313.1	504.7	528.2	478.1

(a) Included in "OTHER STATES". † Area totals do not include quantities in "OTHER STATES".
*Preliminary.

PEAS, GREEN—VALUE PER TON—DOLLARS

	1982	1983	1984	1985	1986	1987	1988	1989	1990	*1991
Delaware	270.00	209.00	276.00	277.00	239.00	229.00	180.00	233.00	267.00	277.00
Maryland	275.00	232.00	282.00	304.00	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
New York	286.00	285.00	301.00	305.00	281.00	261.00	290.00	285.00	292.00	340.00
Minnesota	236.00	229.00	243.00	240.00	232.00	214.00	259.00	250.00	247.00	277.00
Wisconsin	199.00	215.00	222.00	226.00	208.00	217.00	251.00	224.00	234.00	227.00
California	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Oregon	202.00	173.00	211.00	204.00	198.00	200.00	192.00	220.00	252.00	234.00
Washington	235.00	205.00	246.00	240.00	251.00	254.00	237.00	262.00	253.00	272.00
For Freezing	240.00	212.00	244.00	252.00	244.00	238.00	226.00	238.00	256.00	264.00
For Canning	215.00	220.00	230.00	228.00	210.00	211.00	244.00	237.00	240.00	252.00
U.S. PROC. AV.	227.00	217.00	237.00	240.00	226.00	224.00	234.00	238.00	249.00	259.00

n.a. - Not available. *Preliminary.

PRINCIPAL VEGETABLE CROPS FOR PROCESSING—Cont.

PEAS, GREEN—TOTAL VALUE—1,000 DOLLARS

	1982	1983	1984	1985	1986	1987	1988	1989	1990	*1991
Delaware	3,691	2,888	4,444	6,149	3,695	2,844	2,120	2,227	4,229	2,194
Maryland	1,466	786	1,151	1,225	(a)	(a)	(a)	(a)	(a)	(a)
New York	4,279	3,933	4,542	8,564	4,524	4,239	3,376	4,834	5,139	4,995
EAST†	9,436	7,607	10,137	15,938	8,219	7,083	5,496	7,061	9,368	7,189
Minnesota	22,958	18,377	24,883	30,905	21,926	22,369	13,818	28,375	28,035	23,373
Wisconsin	29,436	23,684	28,323	36,359	23,743	24,886	13,637	29,131	34,171	26,087
MID-WEST†	52,394	42,061	53,206	67,264	45,669	47,255	27,455	57,506	62,206	49,460
California	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Oregon	7,419	6,963	10,493	8,811	6,764	8,724	7,188	10,578	10,995	14,454
Washington	25,455	20,037	26,932	23,616	20,431	21,714	21,361	25,977	23,878	29,403
WEST†	32,874	27,000	37,425	32,427	27,195	30,438	28,549	36,555	34,873	43,857
OTHER STATES	17,837	15,521	16,498	22,860	12,698	13,800	11,666	18,841	25,047	23,124
For Freezing	55,394	43,495	60,045	71,177	48,459	50,874	42,216	61,317	74,645	72,642
For Canning	57,147	48,694	57,221	67,312	45,322	47,702	30,950	58,646	56,849	50,988
T. U.S. PROC.	112,541	92,189	117,266	138,489	93,781	98,576	73,166	119,963	131,494	123,630

(a) Included in "OTHER STATES". † Area totals do not include quantities in "OTHER STATES".
*Preliminary.

TOMATOES—HARVESTED ACREAGE—1,000 ACRES (Rounded)

	1982	1983	1984	1985	1986	1987	1988	1989	1990	*1991
New York	(a)	(a)	(a)	(a)	(a)	(a)	2.3	1.9	2.1	(a)
New Jersey	5.6	4.4	4.0	4.2	3.0	2.9	3.3	3.0	3.3	2.6
Pennsylvania	5.0	5.0	3.3	2.8	2.9	2.1	2.0	1.7	1.8	2.0
† MIDATLANT.	10.6	9.4	7.3	7.0	5.9	5.0	7.6	6.6	7.2	4.6
Delaware	1.2	.8	.8	1.1	(a)	(a)	1.0	.5	(a)	(a)
Maryland	4.1	2.6	2.9	2.3	1.8	1.7	2.7	1.0	(a)	(a)
Virginia	1.8	1.7	1.2	1.4	(a)	(a)	(a)	(a)	(a)	(a)
† DELMARVA	7.1	5.1	4.9	4.8	1.8	1.7	3.7	1.4	(a)	(a)
Ohio	18.8	19.0	15.9	15.9	14.8	16.0	17.7	17.5	17.1	17.7
Indiana	6.7	7.6	7.6	6.8	6.4	6.7	7.5	7.8	7.6	8.8
Illinois	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Michigan	9.7	9.2	7.4	6.6	5.4	5.0	5.2	5.4	5.7	6.7
† NO. CENTRAL	35.2	35.8	30.9	29.3	26.6	27.7	30.4	30.7	30.4	33.2
Florida	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Texas	2.7	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
† SOUTH	2.7	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Colorado	.9	1.1	1.0	.9	.7	.6	.7	.2	.2	.2
New Mexico	(a)	(a)	(a)	(a)	(a)	(a)	.....	.....	.....	.....
Utah	(a)	(a)	.....	.....	(a)	(a)	.....	.....	.....	.....
California	232.0	233.5	239.7	217.0	210.4	214.0	226.1	276.5	310.0	312.0
† WEST	232.9	234.6	240.7	217.9	211.1	214.6	226.8	276.7	310.2	312.2
OTHER STS.	6.8	7.1	8.1	6.5	7.0	8.4	6.4	5.4	7.0	6.0
PROCESSING	295.3	292.0	291.9	265.5	252.3	257.4	274.9	320.8	354.7	356.0
FRESH MKT	119.7	123.3	122.9	124.6	125.7	129.6	139.7	141.2	134.3	129.6
TOT. U.S.	415.0	415.3	414.8	390.1	378.0	387.0	414.6	462.1	489.0	485.6

† Area totals do not include quantities in "Other States". (a) Included in "Other States". *Preliminary.

PRINCIPAL VEGETABLE CROPS FOR PROCESSING—Cont.

TOMATOES—YIELD PER ACRE—TONS

	1982	1983	1984	1985	1986	1987	1988	1989	1990	*1991
New York	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	17.0	18.6	19.0	n.a.
New Jersey	19.1	15.7	19.7	22.0	17.4	19.4	12.7	10.5	17.3	18.2
Pennsylvania	16.9	16.4	18.1	19.5	17.6	14.1	13.9	20.8	19.4	13.8
Delaware	14.9	13.4	18.1	12.7	n.a.	n.a.	6.7	7.8	n.a.	n.a.
Maryland	15.8	13.6	18.1	17.9	13.8	13.2	9.0	12.7	n.a.	n.a.
Virginia	15.4	7.4	12.0	18.0	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Ohio	19.6	21.4	24.5	25.5	26.0	23.0	20.3	22.4	25.4	22.2
Indiana	20.8	18.4	21.3	20.6	21.6	23.4	20.8	20.2	25.4	24.7
Illinois	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Michigan	21.1	19.9	23.5	25.2	24.7	23.7	21.6	24.6	29.8	25.3
Florida	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Texas	9.1	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Colorado	16.1	16.0	14.0	20.1	16.7	12.9	18.2	19.0	15.9	15.0
New Mexico	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	.....	.....	.....	.....
Utah	n.a.	n.a.	n.a.	.....	n.a.	n.a.	.....	.....	.....	.....
California	26.5	25.6	27.5	28.1	30.8	31.3	29.0	31.0	30.0	31.7
U.S. PROC. AV.	24.7	24.1	26.3	27.0	29.3	29.6	27.0	29.6	29.2	30.5

TOMATOES—PRODUCTION—1,000 TONS (Rounded)

	1982	1983	1984	1985	1986	1987	1988	1989	1990	*1991
New York	(a)	(a)	(a)	(a)	(a)	(a)	39.2	35.4	39.8	(a)
New Jersey	106.8	69.1	78.6	92.2	52.3	56.3	41.9	31.6	57.0	47.3
Pennsylvania	84.3	82.2	59.8	54.5	51.1	29.7	27.9	35.4	34.9	27.6
†MIDATLANT.	191.0	151.2	138.5	146.7	103.4	86.0	109.0	102.4	131.7	74.9
Delaware	17.8	11.2	14.8	13.9	(a)	(a)	6.7	3.6	(a)	(a)
Maryland	64.6	35.3	52.6	41.2	24.8	22.4	24.3	12.3	(a)	(a)
Virginia	27.7	12.5	14.4	25.2	(a)	(a)	(a)	(a)	(a)	(a)
DELMARVA	110.1	59.0	81.8	80.3	24.8	22.4	31.0	16.0	(a)	(a)
Ohio	368.1	406.6	389.6	405.0	384.8	368.0	359.3	391.3	434.5	392.4
Indiana	139.6	139.6	162.0	140.1	138.1	156.9	156.2	157.6	193.0	217.5
Illinois	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Michigan	204.7	183.1	173.9	166.3	133.4	118.5	112.3	132.8	169.9	169.5
†NO. CENT.	712.3	729.3	725.5	711.4	656.3	643.4	627.8	681.7	797.4	779.5
Florida	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Texas	24.6	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
†SOUTH	24.6	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Colorado	13.8	17.6	13.8	17.3	10.8	7.6	12.3	3.6	2.4	3.0
New Mexico	(a)	(a)	(a)	(a)	(a)	(a)	.....	.....	.....	.....
Utah	(a)	(a)	.....	.....	(a)	(a)	.....	.....	.....	.....
California	6,148.0	5,972.9	6,591.8	6,102.0	6,480.3	6,702.5	6,547.9	8,585.3	9,306.2	9,893.5
†WEST	6,161.8	5,990.5	6,605.6	6,119.3	6,491.2	6,710.1	6,560.2	8,588.9	9,308.6	9,896.5
OTHER STS.	99.1	99.8	129.8	119.5	122.9	145.9	82.0	95.5	117.5	122.1
PROCESSING	7,299.0	7,029.8	7,681.2	7,177.1	7,398.5	7,607.7	7,409.9	9,484.5	10,355.3	10,873.0
FRESH MKT	1,338.5	1,363.1	1,408.2	1,487.0	1,568.0	1,620.7	1,792.8	1,795.2	1,685.4	1,670.4
TOT. U.S.	8,637.5	8,392.9	9,089.3	8,664.1	8,966.5	9,228.4	9,202.7	11,279.7	12,040.7	12,543.4

† Area totals do not include quantities in Other States. (a) Included in Other States. n.a. - Not available. *Preliminary.

PRINCIPAL VEGETABLE CROPS FOR PROCESSING—Cont.

TOMATOES—VALUE PER TON—DOLLARS

	1982	1983	1984	1985	1986	1987	1988	1989	1990	*1991
New York	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	76.40	93.00	98.70	n.a.
New Jersey	87.40	83.00	80.40	75.00	72.80	72.00	75.00	88.60	96.30	91.20
Pennsylvania	86.30	83.50	79.90	75.50	72.50	75.60	75.90	93.50	94.70	93.10
Delaware	84.40	71.50	76.50	72.10	n.a.	n.a.	74.10	89.70	n.a.	n.a.
Maryland	82.00	75.50	76.70	72.70	69.60	78.00	74.90	89.00	n.a.	n.a.
Virginia	85.40	79.30	81.80	80.90	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Ohio	89.10	84.70	83.10	77.20	74.30	71.70	71.60	77.20	76.60	79.70
Indiana	89.50	86.90	84.60	79.20	81.10	75.30	80.90	79.00	84.30	90.80
Illinois	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Michigan	92.60	84.00	84.00	80.00	76.00	69.20	68.20	72.80	75.50	78.00
Florida	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Texas	75.70	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Colorado	67.60	69.80	79.70	71.10	67.60	84.20	72.70	95.00	98.00	100.00
New Mexico	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	.....	.....	.....	.....
Utah	n.a.	n.a.	n.a.	.....	n.a.	n.a.	.....	.....	.....	.....
California	68.50	65.70	64.80	64.10	62.20	57.20	58.90	68.30	66.30	64.70
PROC. AV.	71.60	68.40	67.40	66.30	63.90	59.10	60.70	69.30	67.80	66.40

TOMATOES—TOTAL VALUE—1,000 DOLLARS

	1982	1983	1984	1985	1986	1987	1988	1989	1990	*1991
New York	(a)	(a)	(a)	(a)	(a)	(a)	2,994	3,292	3,928	(a)
New Jersey	9,333	5,734	6,323	6,914	3,805	4,051	3,143	2,799	5,491	4,316
Pennsylvania	7,271	6,860	4,780	4,112	3,705	2,245	2,115	3,306	3,307	2,570
† MIDATLANT...	16,604	12,594	11,103	11,026	7,510	6,296	8,252	9,397	12,726	6,886
Delaware	1,505	802	1,134	1,005	(a)	(a)	498	327	(a)	(a)
Maryland	5,299	2,664	4,033	2,993	1,726	1,749	1,820	1,096	(a)	(a)
Virginia	2,361	992	1,178	2,039	(a)	(a)	(a)	(a)	(a)	(a)
† DELMARVA ...	9,165	4,458	6,345	6,037	1,726	1,749	2,318	1,423	(a)	(a)
Ohio	32,798	34,439	32,372	31,264	28,591	26,386	25,727	30,208	33,283	31,275
Indiana	12,491	12,132	13,708	11,094	11,201	11,811	12,633	12,447	16,273	19,753
Illinois	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Michigan	18,952	15,379	14,608	13,306	10,137	8,200	7,660	9,671	12,824	13,222
† NO. CENT......	64,241	61,950	60,688	55,664	49,929	46,397	46,020	52,326	62,380	64,250
Florida	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Texas	1,860	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
† SOUTH	1,860	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Colorado	935	1,225	1,101	1,230	733	639	897	343	234	300
New Mexico	(a)	(a)	(a)	(a)	(a)	(a)	.....	.....	.....	.....
Utah	(a)	(a)	.....	.....	(a)	(a)	.....	.....	.....	.....
California	421,138	392,422	427,145	391,141	403,076	383,382	385,669	586,378	617,001	640,111
† WEST	422,073	393,647	428,246	392,371	403,809	384,021	386,566	586,721	617,235	640,411
OTHER STS.....	8,479	8,277	11,106	10,611	9,953	11,040	6,641	7,417	10,026	10,567
PROCESSING ...	522,422	480,926	517,488	475,709	472,927	449,503	449,797	657,284	702,367	722,114

(a) Included in OTHER STATES. † Area totals do not include quantities in OTHER STATES.
n.a. - Not available. *Preliminary.

PRINCIPAL VEGETABLE CROPS FOR PROCESSING—Cont.

COMMODITY SUMMARIES—HARVESTED ACREAGE—1,000 ACRES

	1982	1983	1984	1985	1986	1987	1988	1989	1990	*1991
Beans, Snap	204.4	196.7	216.6	222.2	190.6	224.0	217.6	249.0	246.1	233.4
Corn, Sweet......	446.9	399.8	427.2	435.3	413.4	430.9	446.2	464.4	490.1	542.3
Cucumbers for Pickles.....	n.a.	n.a.	103.6	115.2	110.5	109.6	118.9	124.2	115.5	103.8
Peas, Green......	303.8	308.8	330.5	353.6	272.4	290.3	283.9	316.5	341.1	332.7
Tomatoes.........	295.3	292.0	291.9	265.5	252.3	257.4	274.9	320.8	354.7	356.0
TOTAL ABOVE...	1,250.5	1,197.4	1,369.8	1,391.8	1,239.2	1,312.3	1,341.5	1,475.0	1,547.5	1,568.2

COMMODITY SUMMARIES—YIELD PER ACRE—TONS

	1982	1983	1984	1985	1986	1987	1988	1989	1990	*1991
Beans, Snap	3.15	2.99	3.07	3.16	3.20	3.06	2.70	3.49	3.23	3.32
Corn, Sweet......	6.13	5.57	5.97	6.06	6.19	6.65	5.42	6.35	6.37	6.23
Cucumbers for Pickles.....	n.a.	n.a.	5.97	6.03	5.79	5.80	5.48	5.18	5.66	6.00
Peas, Green......	1.63	1.38	1.50	1.63	1.52	1.51	1.10	1.60	1.55	1.44
Tomatoes.........	24.72	24.07	26.32	27.03	29.32	29.56	26.95	29.56	29.19	30.54

COMMODITY SUMMARIES—PRODUCTION—1,000 TONS

	1982	1983	1984	1985	1986	1987	1988	1989	1990	*1991
Beans, Snap	643.9	587.4	666.1	702.5	609.4	685.8	588.3	869.7	796.0	775.8
Corn, Sweet......	2,740.5	2,227.1	2,552.2	2,640.0	2,559.4	2,866.6	2,420.4	2,949.3	3,120.6	3,380.7
Cucumbers for Pickles.....	n.a.	n.a.	618.2	694.4	639.6	635.5	651.6	642.7	653.5	622.8
Peas, Green......	496.3	425.7	495.3	577.8	414.9	439.5	313.1	504.7	528.2	478.1
Tomatoes.........	7,299.0	7,029.8	7,681.2	7,177.1	7,398.5	7,607.7	7,409.9	9,484.5	10,355.3	10,873.0
TOTAL ABOVE...	11,179.6	10,270.1	12,013.0	11,791.9	11,621.7	12,235.1	11,383.3	14,450.9	15,453.5	16,130.4

COMMODITY SUMMARIES—VALUE PER TON—DOLLARS

	1982	1983	1984	1985	1986	1987	1988	1989	1990	*1991
Beans, Snap	166.00	160.00	171.00	169.00	159.60	159.80	167.70	174.10	182.60	174.40
Corn, Sweet......	61.40	59.80	63.70	63.40	58.90	59.30	60.80	66.90	69.60	71.60
Cucumbers for Pickles.....	n.a.	n.a.	168.00	178.00	177.30	180.00	199.80	204.00	208.60	208.50
Peas, Green......	227.00	217.00	237.00	240.00	226.00	224.30	233.60	237.70	249.00	258.60
Tomatoes.........	71.60	68.40	67.40	66.30	63.92	59.10	60.70	69.30	67.80	66.40

COMMODITY SUMMARIES—TOTAL VALUE—1,000 DOLLARS

	1982	1983	1984	1985	1986	1987	1988	1989	1990	*1991
Beans, Snap	106,610	94,252	113,935	118,799	97,262	109,609	98,628	151,379	145,313	135,327
Corn, Sweet......	168,165	133,233	162,530	167,297	150,821	169,984	147,070	197,267	217,040	241,926
Cucumbers for Pickles.....	n.a.	n.a.	103,823	123,639	113,400	114,374	130,194	131,082	136,313	129,856
Peas, Green......	112,541	92,189	117,266	138,489	93,781	98,576	73,166	119,963	131,494	123,630
Tomatoes.........	522,422	480,926	517,488	475,709	472,927	449,503	449,797	657,284	702,367	722,114
TOTAL ABOVE...	909,738	800,600	1,015,042	1,023,933	928,191	942,046	898,855	1,256,975	1,332,527	1,352,853

n.a. - Not available. *Preliminary.

PRINCIPAL VEGETABLE CROPS FOR PROCESSING—Cont.

*STATE SUMMARIES—HARVESTED ACREAGE—1,000 ACRES

State	1982	1983	1984	1985	1986	1987	1988	1989	1990	†1991
Maine	8.9	8.5	9.9	10.4	(a)	(a)	(a)	(a)	(a)	(a)
New Hamp	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Vermont	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mass	.....	.....	.6	.6	.5	.4	.4	.3	.3	.2
Conn	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
New York	70.9	70.1	71.8	76.9	62.8	68.4	65.6	65.6	64.5	66.8
New Jersey	14.9	10.6	14.6	15.8	10.7	12.7	10.2	8.9	10.4	8.6
Penna	17.4	15.0	13.5	13.5	12.8	14.2	13.5	12.2	17.6	13.3
N. ATLANT	112.1	104.2	110.4	117.1	86.7	95.7	89.6	86.9	92.8	88.9
Ohio	19.0	19.1	20.7	21.0	19.6	20.8	21.8	21.4	23.1	22.6
Indiana	9.6	11.0	15.8	12.6	10.4	15.8	16.3	16.6	17.8	14.5
Illinois	58.8	55.3	61.3	57:2	44.2	48.5	56.3	80.9	81.6	91.4
Michigan	26.8	26.7	48.7	53.3	50.3	51.0	51.7	54.3	62.1	63.4
Wisconsin	265.8	271.3	300.6	322.0	278.1	316.9	307.9	326.2	315.8	339.2
Minnesota	184.7	176.7	194.7	206.1	202.0	194.4	204.5	186.8	221.9	223.5
Iowa	5.5	4.7	5.6	5.3	4.1	4.3	5.8	11.3	10.8	12.9
Missouri	.5	.4	1.2	1.7	(a)	(a)	(a)	(a)	(a)	(a)
N. Dakota	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
S. Dakota	.....	.....	(a)	(a)	(a)	.....	.....	.....	.....	.....
Nebraska	.....	.....	(a)	(a)	(a)	(a)	.....	.....	.....	.....
Kansas	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
N. CENT	570.7	565.3	648.5	679.1	608.7	651.7	664.4	697.5	733.1	767.4
Delaware	16.7	17.2	21.7	22.8	19.8	20.9	17.5	20.6	23.0	21.0
Maryland	18.4	16.7	19.5	19.4	16.3	14.2	17.0	14.6	18.2	17.1
Virginia	3.6	2.1	3.2	2.7	.9	3.3	1.9	4.8	2.2	3.6
W. Va.	(c)	(c)	(a)	(a)	.....	.....	.....	.....	.....	.....
N.C.	2.4	2.1	27.6	31.1	25.7	25.3	26.3	27.3	24.9	22.0
S.C.	.4	.1	9.5	13.8	13.6	13.6	11.5	11.5	10.4	10.4
Georgia	.9	1.3	2.6	3.0	2.5	2.8	2.4	4.5	4.5	3.6
Florida	3.8	2.1	8.6	7.3	5.9	5.2	8.1	6.0	4.8	3.3
S. ATLANT	46.2	41.7	92.6	100.1	84.7	85.2	84.7	89.3	88.1	81.0
Kentucky	.....	.....	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Tenn	6.9	4.9	5.3	5.0	5.3	5.4	6.1	5.4	5.0	5.0
Alabama	1.3	1.3	2.0	1.2	2.5	3.2	1.3	2.7	1.5	1.7
Miss	.....	.....	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Arkansas	3.6	3.3	3.1	3.4	2.9	3.9	5.4	5.4	2.5	4.5
Louisiana	.....	.....	.....	.....	.....	.....	.4	1.0	.6	.3
Oklahoma	1.3	.8	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Texas	5.3	4.1	13.5	10.6	10.6	14.3	18.3	27.5	18.8	12.1
S. CENT	18.4	14.4	23.9	20.2	21.2	26.8	31.5	41.9	28.4	23.6
Montana	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Idaho	29.1	24.8	27.9	28.4	26.6	27.2	29.0	31.4	33.7	35.9
Wyoming	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Colorado	1.4	1.1	3.2	3.5	2.2	1.9	2.2	1.5	.8	1.0
New Mexico	.2	.2	(a)	(a)	(a)	(a)	.....	.....	.....	.....
Arizona	.....	.....	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Utah	2.6	2.6	2.3	2.4	1.2	2.3	2.3	2.4	2.6	2.4
Wash	121.5	105.3	99.9	103.6	85.8	88.9	99.6	109.7	117.2	118.4
Oregon	104.9	95.6	101.5	99.3	88.3	94.4	88.4	107.7	109.9	109.0
Calif	243.4	242.2	255.1	233.4	222.4	227.0	238.8	292.7	330.4	328.3
WESTERN	503.1	471.8	489.9	470.6	426.5	441.8	460.3	545.4	594.6	595.1
OTHER STATES	.....	.....	4.4	4.6	11.4	11.1	11.0	13.9	10.6	12.3
T. U.S. PROC.	1,250.4	1,197.4	1,369.8	1,391.8	1,239.2	1,312.3	1,341.5	1,475.0	1,547.5	1,568.2

*Includes snap beans, corn, green peas and tomatoes, with cucumbers added in 1984. (a) Included in "OTHER STATES". (c) Less than 50 acres. † Preliminary.

PRINCIPAL VEGETABLE CROPS FOR PROCESSING-Cont.

*STATE SUMMARIES—PRODUCTION—1,000 TONS

State	1982	1983	1984	1985	1986	1987	1988	1989	1990	†1991
Maine	11.0	9.7	10.6	18.9	(a)	(a)	(a)	(a)	(a)	(a)
New Hamp.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Vermont	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mass.	.....	.....	7.8	7.3	8.5	6.3	6.4	6.0	6.3	6.1
Conn.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
New York	275.6	256.6	278.4	266.9	238.2	317.9	201.6	233.3	294.5	225.5
New Jersey	131.5	80.4	113.9	131.2	76.3	80.9	57.6	48.1	77.6	64.6
Penn.	116.0	102.0	93.5	90.2	73.7	57.4	53.0	62.6	83.5	51.2
N. ATLANT.	534.1	448.6	504.2	514.4	396.7	462.5	318.6	350.0	462.0	347.4
Ohio	368.5	406.7	445.9	466.3	442.7	415.3	396.1	431.1	487.1	440.6
Indiana	152.0	148.1	202.8	169.2	159.4	198.4	189.4	198.6	235.3	242.3
Illinois	261.2	214.0	285.1	299.9	218.6	234.8	192.9	360.5	310.3	350.7
Michigan	246.5	227.7	343.2	359.9	326.3	334.9	287.1	354.0	421.2	440.1
Wisconsin	900.3	889.1	1,062.7	1,140.5	1,071.8	1,209.9	919.7	1,272.4	1,266.8	1,450.7
Minnesota	796.1	590.2	790.2	836.7	851.6	857.6	616.1	791.4	887.7	891.4
Iowa	32.3	27.0	34.0	38.8	37.6	45.4	40.0	69.9	70.3	71.8
Missouri	1.8	1.3	3.5	5.8	(a)	(a)	(a)	(a)	(a)	(a)
N. Dakota	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
S. Dakota	.....	.....	(a)	(a)	(a)	.....	.....	.....	.....	.....
Nebraska	.....	.....	(a)	(a)	(a)	(a)	.....	.....	.....	.....
Kansas	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
N. CENT.	2,758.6	2,504.0	3,167.3	3,317.0	3,108.0	3,296.3	2,641.2	3,477.9	3,678.8	3,887.7
Delaware	61.7	49.2	72.3	77.4	58.9	58.8	53.1	62.9	73.0	60.8
Maryland	115.9	74.6	138.3	135.5	94.1	80.7	81.4	61.2	94.6	80.3
Virginia	32.7	13.2	18.2	28.7	5.3	9.2	14.6	18.7	18.6	13.6
W. Va.	.3	.3	(a)	(a)	.....	.....	.....	.....	.....	.....
N.C.	17.7	10.2	93.6	104.8	82.0	85.2	101.3	88.3	98.8	94.3
S.C.	.4	.1	36.1	49.6	47.6	40.6	41.0	38.7	48.0	32.7
Georgia	2.2	2.3	9.6	10.2	6.9	7.6	8.7	15.2	13.1	12.7
Florida	24.6	18.9	41.7	41.4	39.1	35.8	51.1	33.0	27.5	24.4
S. ATLANT.	255.5	168.7	409.6	447.6	334.0	317.8	351.2	318.0	373.7	318.8
Kentucky	.....	.....	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Tenn.	17.9	8.9	11.3	11.3	7.6	10.8	9.0	10.3	8.9	8.3
Alabama	2.6	2.1	2.8	3.2	4.0	5.2	2.1	3.5	5.7	6.6
Miss.	.....	.....	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Arkansas	10.0	7.3	4.4	7.5	4.3	8.6	11.2	19.2	4.1	7.5
Louisiana	.....	.....	.....	.....	.....	.....	1.4	2.7	1.7	.7
Oklahoma	4.5	2.5	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Texas	31.2	22.4	80.3	60.8	59.9	68.2	84.4	107.6	65.8	62.2
S. CENT.	66.3	43.2	98.8	82.8	75.8	92.8	108.0	143.3	86.2	85.3
Montana	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Idaho	200.4	137.7	159.3	165.1	174.1	185.5	183.4	203.5	191.4	212.2
Wyoming	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Colorado	15.8	17.6	32.7	36.4	25.4	20.1	28.6	14.2	10.3	9.6
New Mexico	2.2	2.5	(a)	(a)	(a)	(a)	.....	.....	.....	.....
Arizona	.....	.....	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Utah	9.5	7.8	8.2	10.4	3.3	9.2	7.9	7.3	8.9	9.7
Wash.	585.2	452.6	375.7	446.6	397.1	509.7	538.6	591.8	592.2	631.5
Oregon	580.1	495.6	568.5	548.3	518.0	528.4	542.7	646.4	617.3	627.8
California	6,172.2	5,991.8	6,675.4	6,209.4	6,564.1	6,784.2	6,639.8	8,662.3	9,403.9	9,974.5
WESTERN	7,565.2	7,105.6	7,819.7	7,416.2	7,682.0	8,037.1	7,941.0	10,125.4	10,824.1	11,465.3
OTHER STATES	.....	.....	13.3	13.9	25.4	28.7	23.4	36.2	28.8	26.0
T. U.S. PROC.	11,179.6	10,270.1	12,013.0	11,791.9	11,621.7	12,235.1	11,383.3	14,450.9	15,453.5	16,130.4

*Includes snap beans, corn, green peas and tomatoes, with cucumbers added in 1984. (a) Included in "OTHER STATES". † Preliminary.

PRINCIPAL VEGETABLE CROPS FOR PROCESSING-Cont.

*STATE SUMMARIES—TOTAL VALUE—1,000 DOLLARS

State	1982	1983	1984	1985	1986	1987	1988	1989	1990	†1991
Maine	2,146	2,112	1,853	5,130	(a)	(a)	(a)	(a)	(a)	(a)
New Hamp.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Vermont	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mass.	.....	.....	1,092	956	1,054	750	790	816	819	876
Conn.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
New York	33,220	30,309	31,338	35,279	24,839	29,714	20,588	28,018	31,985	29,224
New Jersey	14,330	7,990	13,626	15,204	8,491	8,929	6,795	6,361	9,526	8,289
Penna.	11,591	9,557	9,544	9,462	6,411	6,261	6,060	7,809	11,352	5,826
N. ATLANT.	61,287	49,968	57,453	66,031	40,795	45,654	34,233	43,004	53,682	44,215
Ohio	32,841	34,451	42,788	43,279	39,665	34,779	32,970	37,973	44,629	42,567
Indiana	13,471	12,868	17,862	14,675	13,655	17,611	18,180	18,687	23,137	22,760
Illinois	25,535	21,045	27,777	27,076	16,861	20,160	19,449	42,389	39,477	44,333
Michigan	25,333	22,051	39,192	43,547	37,722	38,359	35,266	45,961	52,885	51,817
Wisconsin	83,891	85,230	107,098	122,258	105,624	116,578	88,814	132,289	140,637	142,723
Minnesota	64,003	46,988	69,188	76,063	64,718	66,750	46,918	72,015	78,391	77,452
Iowa	1,810	1,916	2,470	2,889	2,598	2,913	2,632	5,078	4,184	4,944
Missouri	280	210	576	633	(a)	(a)	(a)	(a)	(a)	(a)
N. Dakota	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
S. Dakota	.....	.....	(a)	(a)	(a)	.....	.....	.....	.....	.....
Nebraska	.....	.....	(a)	(a)	(a)	(a)	.....	.....	.....	.....
Kansas	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
N. CENT.	247,164	224,759	306,951	330,420	280,843	297,150	244,229	354,392	383,340	386,596
Delaware	8,258	5,639	9,783	11,369	7,691	7,008	6,155	8,472	10,933	9,420
Maryland	10,404	6,197	14,552	13,591	9,264	8,725	9,416	8,786	11,850	10,044
Virginia	3,366	1,132	1,921	2,685	514	1,173	1,771	3,050	2,376	1,877
W. Va.	30	28	(a)	(a)	.....	.....	.....	.....	.....	.....
N.C.	1,995	1,325	15,782	20,571	15,953	16,703	20,985	19,702	23,313	24,197
S.C.	85	19	7,017	9,407	8,822	7,668	8,760	8,271	10,422	6,572
Georgia	473	497	1,647	1,939	1,253	1,374	1,631	3,146	2,768	2,649
Florida	2,220	1,530	8,768	8,310	7,923	8,404	12,219	7,829	7,052	6,155
S. ATLANT.	26,831	16,367	59,470	67,872	51,420	51,055	60,937	59,256	68,714	60,914
Kentucky	.....	.....	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Tenn.	3,645	1,784	2,313	2,284	1,508	2,106	1,815	2,298	2,047	1,992
Alabama	447	464	557	698	815	1,103	408	821	1,004	1,294
Miss.	.....	.....	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Arkansas	1,657	1,363	769	1,301	784	1,396	1,964	2,752	902	1,643
Louisiana	.....	.....	.....	.....	.....	.....	189	329	168	89
Oklahoma	720	397	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Texas	3,012	2,191	10,225	11,708	10,526	13,606	17,784	22,770	14,894	14,399
S. CENT.	9,481	6,199	13,864	15,991	13,633	18,211	22,160	28,970	19,015	19,417
Montana	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Idaho	15,584	11,463	12,531	12,830	12,933	12,866	12,459	15,160	15,945	20,114
Wyoming	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Colorado	1,208	1,225	3,574	3,765	2,755	2,753	2,899	1,821	1,322	1,049
New Mexico	184	213	(a)	(a)	(a)	(a)	.....	.....	.....	.....
Arizona	.....	.....	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Utah	2,145	1,493	1,432	1,559	496	1,285	1,081	1,156	1,085	1,785
Wash.	59,824	42,051	47,184	49,949	44,138	52,745	52,651	64,978	65,702	74,033
Oregon	58,862	49,347	62,936	59,593	55,904	55,397	58,887	77,806	77,674	79,316
California	427,168	397,515	447,544	413,540	420,408	400,084	404,904	603,369	639,188	659,864
WESTERN	564,975	503,307	575,201	541,236	536,634	525,130	532,881	764,290	800,916	836,161
OTHER STATES.	.....	.....	2,103	2,383	4,866	4,846	4,415	7,063	6,860	5,550
T. U.S. PROC.	909,738	800,600	1,015,042	1,023,333	928,191	942,046	898,855	1,256,975	1,332,527	1,352,853

*Includes snap beans, corn, green peas and tomatoes, with cucumbers added in 1984. (a) Included in "OTHER STATES". † Preliminary.

*ASPARAGUS—HARVESTED ACREAGE—1,000 ACRES (Rounded)

	1982	1983	1984	1985	1986	1987	1988	1989	1990	†1991
New Jersey	n.a.	n.a.	2.0	1.9	1.9	1.8	1.7	1.5	1.4	1.4
Illinois	n.a.	n.a.	1.4	1.3	1.3	.7	.8	.8	.8	.8
Michigan	n.a.	n.a.	19.2	19.2	20.5	22.0	22.5	23.0	23.5	23.5
California	n.a.	n.a.	34.2	35.2	37.8	39.7	40.1	37.5	35.9	33.5
Washington	n.a.	n.a.	29.0	29.0	30.0	31.0	32.0	32.0	30.0	29.0
Other States	n.a.	n.a.	4.1	4.9	4.7	4.6	3.8	3.7	4.0	3.6
TOT. U.S.	n.a.	n.a.	89.9	91.5	96.2	99.8	100.9	98.5	95.6	91.8

*ASPARAGUS—YIELD PER ACRE—HUNDREDWEIGHT

	1982	1983	1984	1985	1986	1987	1988	1989	1990	†1991
New Jersey	n.a.	n.a.	15	19	19	18	20	25	23	17
Illinois	n.a.	n.a.	10	11	8	14	15	16	22	21
Michigan	n.a.	n.a.	12	12	12	11	11	11	11	11
California	n.a.	n.a.	25	28	29	30	29	29	29	28
Washington	n.a.	n.a.	25	28	26	26	28	32	34	33
Other States	n.a.	n.a.	10	12	13	14	18	21	19	16
U.S. AVG.	n.a.	n.a.	21	23	23	24	24	25	26	25

**ASPARAGUS—PRODUCTION—1,000 TONS (Rounded)

	1982	1983	1984	1985	1986	1987	1988	1989	1990	†1991
Illinois	n.a.	n.a.	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Michigan	n.a.	n.a.	9.6	9.7	9.9	10.1	10.3	11.0	10.4	10.3
California	n.a.	n.a.	5.8	8.4	5.3	6.8	(a)	(a)	(a)	(a)
Washington	n.a.	n.a.	25.4	28.5	24.5	28.4	32.2	35.0	37.0	31.2
Other States	n.a.	n.a.	1.9	2.6	2.4	2.6	4.5	4.1	3.2	2.3
Canning	n.a.	n.a.	33.5	33.8	29.3	33.2	32.9	38.8	38.4	35.4
For Freezing	n.a.	n.a.	9.2	15.4	12.8	14.7	14.1	11.3	12.2	8.4
PROCESSING	n.a.	n.a.	42.7	49.2	42.1	47.9	47.0	50.1	50.6	43.8
FRESH MKT	n.a.	n.a.	52.2	57.6	69.4	69.4	74.0	74.6	71.8	68.8
TOT. U.S.	n.a.	n.a.	94.8	106.8	111.4	117.3	121.1	124.7	122.4	112.7

**ASPARAGUS—VALUE PER TON—DOLLARS

	1982	1983	1984	1985	1986	1987	1988	1989	1990	†1991
Illinois	n.a.	n.a.	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Michigan	n.a.	n.a.	1,130	1,120	1,120	1,140	1,140	1,140	1,080	1,020
California	n.a.	n.a.	830	777	780	739	(a)	(a)	(a)	(a)
Washington	n.a.	n.a.	854	905	861	888	979	895	956	925
Other States	n.a.	n.a.	1,190	1,140	1,140	1,100	983	966	1,050	1,080
For Canning	n.a.	n.a.	931	952	925	944	997	937	991	951
For Freezing	n.a.	n.a.	917	907	933	904	1,060	1,020	978	964
U.S. AVG.	n.a.	n.a.	928	938	927	932	1,010	955	987	955

**ASPARAGUS—TOTAL VALUE—1,000 DOLLARS

	1982	1983	1984	1985	1986	1987	1988	1989	1990	†1991
Illinois	n.a.	n.a.	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Michigan	n.a.	n.a.	10,848	10,886	11,066	11,514	11,742	12,540	11,232	10,506
California	n.a.	n.a.	4,814	6,527	4,134	5,010	(a)	(a)	(a)	(a)
Washington	n.a.	n.a.	21,700	25,793	21,095	25,255	31,524	31,325	35,372	28,860
Other States	n.a.	n.a.	2,239	2,943	2,733	2,824	4,455	3,997	3,357	2,499
For Canning	n.a.	n.a.	31,147	32,206	27,133	31,284	32,816	36,371	38,006	33,669
For Freezing	n.a.	n.a.	8,454	13,943	11,895	13,318	14,905	11,491	11,955	8,196
PROCESSING	n.a.	n.a.	39,601	46,149	39,028	44,603	47,721	47,862	49,961	41,865

*For both fresh market and processing. **For processing only. (a) Included in "Other States".
n.a. - Not available. † Preliminary.

*BROCCOLI—HARVESTED ACREAGE

	1982	1983	1984	1985	1986	1987	1988	1989	1990	††1991
January-June										
Arizona	550	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
California	41,800	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Texas	3,200	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Season Total	45,550	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
July-December (thru 1982)										
Arizona†	250	700	1,300	1,900	2,900	4,200	4,300	5,400	5,100	6,500
California	40,000	82,000	95,700	97,700	106,400	107,600	101,100	101,600	97,500	100,000
Oregon	1,800	2,000	2,000	2,600	3,000	3,000	2,800	3,100	3,100	3,100
Texas†	4,400	6,800	7,500	7,300	6,800	6,900	6,200	6,700	5,100	3,400
Season Total	46,450	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.
TOT. U.S.	92,000	91,500	106,500	109,500	119,100	121,700	114,400	116,800	110,800	113,000

*BROCCOLI—YIELD PER ACRE—HUNDREDWEIGHT

	1982	1983	1984	1985	1986	1987	1988	1989	1990	††1991
January-June										
Arizona	75	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
California	100	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Texas	88	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Season Avg.	99	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
July-December (thru 1982)										
Arizona†	60	77	76	93	82	91	91	100	115	95
California	94	92	99	98	98	96	115	120	115	105
Oregon	110	85	88	95	100	105	93	92	85	80
Texas†	78	81	76	86	83	70	83	74	55	60
Season Avg.	93	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.
U.S. AVG.	96	91	97	97	97	95	112	116	111	102

**BROCCOLI—PRODUCTION—1,000 TONS (Rounded)

	1982	1983	1984	1985	1986	1987	1988	1989	1990	††1991
California	159.6	126.3	164.7	158.0	138.0	125.0	123.0	120.0	105.0	88.0
Other States†	10.6	10.9	12.4	15.7	16.4	20.5	15.5	18.4	17.6	13.1
PROCESSING	170.2	137.2	177.1	173.7	154.4	145.5	138.5	138.4	122.6	101.1
FRESH MKT.	270.7	279.1	337.0	357.7	422.1	430.0	501.1	537.2	494.6	477.4
TOT. U.S.	441.0	416.3	514.1	531.4	576.5	575.5	639.6	675.6	617.2	578.5

**BROCCOLI—VALUE PER TON—DOLLARS

	1982	1983	1984	1985	1986	1987	1988	1989	1990	††1991
California	394.00	390.00	394.00	388.00	362.00	360.00	381.00	368.00	395.00	393.00
Other States†	336.00	327.00	325.00	319.00	313.00	307.00	320.00	348.00	358.00	382.00
U.S. PROC. AV.	390.00	385.00	389.00	382.00	357.00	353.00	374.00	365.00	390.00	392.00

**BROCCOLI—TOTAL VALUE—1,000 DOLLARS

	1982	1983	1984	1985	1986	1987	1988	1989	1990	††1991
California	62,882	49,257	64,892	61,304	49,956	45,000	46,863	44,160	41,475	34,584
Other States†	3,567	3,567	4,024	4,988	5,118	6,307	4,946	6,418	6,308	5,000
U.S. PROC.	66,449	52,824	68,916	66,292	55,074	51,307	51,809	50,578	47,783	39,584

*For fresh market and processing. **For processing only. (a) Included in "July-December". †Data prior to 1984 not comparable to later years because of change from calendar to seasonal forecasts. n. a. - Not available. †† Preliminary.

*CARROTS—HARVESTED ACREAGE—1,000 ACRES (Rounded)

	1982	1983	1984	1985	1986	1987	1988	1989	1990	†1991
Arizona (b)	2.7	3.1	2.9	2.4	2.4	2.0	1.9	1.4	1.5	1.0
Calif. Des. (b)	9.5	11.9	(a)	11.8	(a)	(a)	(a)	(a)	(a)	(a)
Calif. Other	26.4	27.5	41.3	28.1	40.5	50.0	51.1	57.3	56.1	56.0
Colorado	1.0	1.1	1.0	1.0	1.2	1.3	1.4	1.4	1.3	1.4
Florida	9.4	10.0	10.6	11.5	12.3	12.1	12.2	9.4	7.2	9.0
Illinois	....	....	....	....	....	....	....	....	....	....
Michigan	6.7	7.2	7.5	6.4	3.7	7.0	6.7	6.8	6.7	6.8
Minnesota	1.5	1.3	1.3	1.2	1.2	1.5	1.4	1.8	1.9	1.8
New York	1.6	1.6	1.6	1.4	1.4	1.2	1.2	1.2	1.2	1.2
Oregon	2.3	1.3	1.2	1.1	1.0	.8	1.0	1.3	1.5	1.8
Texas (b)	15.2	13.1	15.0	13.8	11.6	11.5	10.0	9.9	5.3	6.3
Washington	4.8	4.0	4.3	5.2	5.8	6.2	5.6	6.3	6.3	6.8
Wisconsin	4.0	3.2	5.2	3.3	3.5	3.5	3.2	3.3	4.0	2.9
Other States	1.8	2.0	1.8	2.6	2.0	2.5	1.9	1.8	1.4	2.3
TOT. U.S.	86.8	87.3	93.7	89.8	86.6	99.6	97.6	101.9	94.4	97.3

*CARROTS—YIELD PER ACRE—HUNDREDWEIGHT

	1982	1983	1984	1985	1986	1987	1988	1989	1990	†1991
Arizona (b)	168	175	130	165	165	200	125	170	130	160
Calif. Des. (b)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Calif. Other	319	292	291	275	315	320	315	290	310	280
Colorado	350	225	280	350	340	345	360	380	345	385
Florida	98	110	69	92	69	88	97	100	150	115
Illinois	....	....	....	....	....	....	....	....	....	....
Michigan	255	230	270	260	250	275	255	245	280	250
Minnesota	370	340	330	380	400	360	175	365	335	305
New York	330	325	355	385	340	360	350	360	365	430
Oregon	435	415	430	480	460	475	540	575	520	510
Texas (b)	161	210	140	145	175	190	180	170	160	200
Washington	435	400	425	435	415	460	520	520	490	500
Wisconsin	450	465	365	470	435	500	405	475	445	440
Other States	443	364	459	388	414	297	254	350	483	345
U.S. AVG.	277	265	252	254	272	288	281	284	310	286

*For both fresh market & processing. (a) Included with "Calif. Other". (b) Data prior to 1984 not comparable to later years because of change from calendar to seasonal forecasts. † Preliminary.

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**CARROTS—PRODUCTION—1,000 TONS (Rounded)

	1982	1983	1984	1985	1986	1987	1988	1989	1990	†1991
Michigan	30.9	26.1	30.0	27.7	21.6	38.8	28.5	34.4	28.0	21.1
Minnesota	13.7	13.7	13.9	15.0	15.9	14.8	7.0	16.2	19.6	19.4
New York	15.3	15.3	19.5	12.5	14.0	14.2	16.0	16.3	18.0	18.0
Wisconsin	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
NORTHERN	59.9	55.2	63.4	55.2	51.5	67.7	51.5	66.9	65.6	58.5
California (b)	83.0	120.4	105.5	75.4	89.9	70.0	76.0	125.8	105.0	100.0
Oregon	41.0	21.6	21.5	21.6	15.5	12.8	15.4	16.9	18.9	21.2
Texas (b)	28.8	33.6	14.0	9.0	14.0	10.5	11.2	18.0	18.4	26.4
Washington	87.3	60.6	68.8	90.4	96.3	116.7	111.7	126.8	122.0	132.0
WESTERN	240.0	236.2	209.8	196.4	215.7	209.9	214.4	287.5	264.3	279.6
OTHER STATES	119.9	102.2	126.3	119.7	106.8	113.6	83.6	104.3	111.7	94.9
PROCESSING	419.8	393.6	399.5	371.4	374.0	391.2	349.4	458.7	441.6	432.9
FRESH MKT.	784.2	761.7	780.8	767.2	803.0	1,044.8	1,020.6	990.6	1,020.2	958.4
TOT. U.S.	1,204.0	1,155.3	1,180.3	1,138.6	1,177.0	1,436.0	1,370.0	1,449.4	1,461.9	1,391.4

**CARROTS—VALUE PER TON—DOLLARS

	1982	1983	1984	1985	1986	1987	1988	1989	1990	†1991
Michigan	52.50	48.40	51.70	57.60	57.30	56.80	60.60	53.00	56.80	57.00
Minnesota	55.00	61.90	48.10	55.50	66.30	50.20	73.00	64.00	57.70	66.50
New York	62.10	68.10	64.50	63.70	65.00	59.80	65.00	61.70	62.00	61.30
Wisconsin	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
California (b)	64.60	69.40	74.90	81.80	81.00	86.50	83.50	64.70	85.00	95.50
Oregon	41.80	43.40	43.40	42.00	46.90	49.90	49.40	43.40	49.30	45.50
Texas (b)	50.00	50.00	50.00	52.00	50.00	50.00	23.00	53.00	51.00	57.00
Washington	36.20	40.10	50.40	53.40	42.00	39.90	53.90	52.40	50.30	44.50
Other States	67.50	68.20	71.60	69.50	69.10	65.10	73.40	70.40	70.50	66.60
U.S. PROC. AV.	55.00	59.80	63.90	64.40	62.40	58.90	65.20	60.30	64.90	64.20

**CARROTS—TOTAL VALUE—1,000 DOLLARS

	1982	1983	1984	1985	1986	1987	1988	1989	1990	†1991
Michigan	1,620	1,265	1,551	1,596	1,235	2,202	1,726	1,822	1,590	1,200
Minnesota	753	850	670	834	1,056	740	511	1,037	1,134	1,290
New York	953	1,043	1,258	796	910	849	1,040	1,006	1,116	1,103
Wisconsin	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
NORTHERN	3,326	3,158	3,479	3,226	3,201	3,791	3,277	3,865	3,840	3,593
California (b)	5,360	8,357	7,899	6,170	7,282	6,055	6,346	8,136	8,925	9,550
Oregon	1,712	937	933	909	726	636	760	734	932	965
Texas (b)	1,441	1,680	700	468	700	525	259	954	938	1,503
Washington	3,161	2,430	3,466	4,827	4,045	4,655	6,022	6,647	6,137	5,874
WESTERN	11,674	13,404	12,998	12,374	12,753	11,871	13,387	16,471	16,932	17,892
OTHER STATES	8,088	6,974	9,044	8,325	7,381	7,394	6,133	7,343	7,871	6,319
U.S. PROC.	23,088	23,536	25,521	23,925	23,335	23,056	22,797	27,679	28,643	27,804

**For Processing Only. (a) Included in "OTHER STATES". (b) Data prior to 1984 not comparable with later years due to change from calendar to seasonal forecasts. † Preliminary.

*CAULIFLOWER—HARVESTED ACREAGE—1,000 ACRES (Rounded)

	1982	1983	1984	1985	1986	1987	1988	1989	1990	†1991
Winter	*16.3*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*
Arizona	1.5	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
California	14.1	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
Texas	.7	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
Spring	*(c)*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*
California	(c)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
Summer	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*
California	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
Michigan	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
New York	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
Washington	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fall	*35.1*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*
Arizona (d)	.7	2.9	4.0	4.9	6.1	6.4	6.1	6.8	6.4	5.8
California	25.9	41.9	46.2	45.6	53.0	51.1	48.0	52.5	51.3	50.0
Michigan	1.5	1.4	1.5	1.5	.7	1.2	1.1	1.2	1.0	1.1
New York-LI	1.9	1.8	2.0	2.0	1.6	1.6	1.5	1.3	1.2	1.0
N.Y.-Upstate	1.8	1.7	1.9	1.9	1.5	1.5	1.6	1.4	1.4	1.4
Oregon	2.9	3.1	3.4	3.8	3.9	3.6	3.0	3.0	3.5	3.9
Texas	.4	1.8	1.8	1.5	1.0	.7	1.5	1.5	1.0	.9
TOT. U.S.	51.4	54.6	60.8	61.2	67.8	66.1	62.8	67.7	65.8	64.1

*CAULIFLOWER—YIELD PER ACRE—HUNDREDWEIGHT

	1982	1983	1984	1985	1986	1987	1988	1989	1990	†1991
Winter	*96*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*
Arizona	135	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
California	93	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
Texas	77	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
Spring	*(c)*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*
California	(c)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
Summer	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*
California	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
Michigan	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
New York	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
Washington	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
Fall	*108*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*
Arizona (d)	115	120	115	115	115	125	105	115	105	125
California	99	95	105	105	110	110	130	115	120	110
Michigan	58	55	65	65	55	60	55	60	70	65
New York-LI	125	120	130	110	120	100	120	115	120	160
N.Y.-Upstate	120	105	110	120	110	105	95	120	120	135
Oregon	200	150	195	170	130	140	165	180	170	100
Texas	90	91	82	80	92	85	70	64	50	50
U.S. AVG.	104	99	110	109	111	112	125	116	119	110

**CAULIFLOWER—PRODUCTION—1,000 TONS (Rounded)

	1982	1983	1984	1985	1986	1987	1988	1989	1990	†1991
California	71.0	60.9	59.1	55.0	58.0	48.0	45.0	33.0	32.5	25.0
Michigan	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
New York	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Other States	26.5	24.6	34.5	32.9	23.1	24.3	23.7	26.6	29.2	20.4
PROCESSING	97.5	85.5	93.6	87.9	81.1	72.3	68.7	59.6	61.7	45.4
FRESH MKT	171.0	185.2	240.9	245.2	295.3	296.4	325.0	332.6	331.0	308.5
TOT. U.S.	268.5	270.7	334.5	333.1	376.4	368.7	393.7	392.3	392.7	353.8

**CAULIFLOWER—VALUE PER TON—DOLLARS

	1982	1983	1984	1985	1986	1987	1988	1989	1990	†1991
California	275.00	270.00	292.00	294.00	295.00	308.00	314.00	350.00	504.00	580.00
Michigan	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
New York	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Other States	192.00	207.00	222.00	213.00	205.00	207.00	212.00	230.00	255.00	392.00
U.S. PROC. AV.	252.00	252.00	266.00	264.00	270.00	274.00	279.00	296.00	386.00	496.00

*For fresh market and processing. **For processing only. (a) Included in Other States. (b) Combined with Fall. (c) Combined with Winter. (d) Data prior to 1984 not comparable with later years due to change from calendar to seasonal forecasting. n.a. - Not available. † Preliminary.

VEGETABLE CROPS FOR PROCESSING & FRESH MARKET—Cont.

**CAULIFLOWER—TOTAL VALUE—1,000 DOLLARS

	1982	1983	1984	1985	1986	1987	1988	1989	1990	†1991
California	19,525	16,443	17,243	16,170	17,110	14,784	14,130	11,550	16,380	14,500
Michigan	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
New York	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Other States	5,091	5,082	7,657	7,008	4,733	5,043	5,011	6,121	7,466	7,973
TOT U.S. PROC.	24,616	21,525	24,900	23,178	21,843	19,827	19,141	17,671	23,846	22,473

**For processing only. (a) Included in Other States. † Preliminary.

*SWEET POTATOES—HARVESTED ACREAGE—1,000 ACRES

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Maryland	1.3	1.1	1.1	1.1	.9	.8	.9	.5	.6	.3
New Jersey	2.9	2.4	2.4	2.7	2.0	2.3	2.3	2.1	2.1	1.9
Virginia	2.2	1.2	.6	1.1	.9	.9	.9	.8	1.0	1.0
MID ATL.	6.4	4.7	4.1	4.9	3.8	4.0	4.1	3.4	3.7	3.2
N. Carolina	44.0	37.0	38.0	40.0	34.0	35.0	34.0	34.0	34.0	30.0
S. Carolina	5.3	4.0	5.0	5.0	4.0	3.5	3.0	3.0	3.4	2.9
Georgia	6.3	5.8	6.4	6.3	5.8	4.2	4.5	4.8	4.5	3.8
LOWER ATL.	55.6	46.8	49.4	51.3	43.8	42.7	41.5	41.8	41.9	36.7
Alabama	5.5	4.9	5.9	6.4	6.3	4.0	4.1	3.9	4.9	4.7
Arkansas	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Louisiana	25.0	24.0	23.0	21.0	20.0	19.0	17.0	18.0	21.0	16.0
Mississippi	5.0	4.7	4.8	5.5	5.2	4.5	3.5	3.0	3.5	3.5
Tennessee	1.5	1.4	1.0	1.1	.9	.8	.8	.6	n.a.	n.a.
Texas	7.2	7.1	7.3	7.7	6.6	7.3	7.4	7.0	6.2	5.5
S. CENTRAL	44.2	42.1	42.0	41.7	39.0	35.6	32.8	32.5	35.6	29.7
California	9.2	8.8	8.0	7.4	6.8	6.6	7.1	8.3	8.3	7.9
U.S.	115.4	102.4	103.5	105.3	93.4	88.9	85.5	86.0	89.5	77.5

*All uses. n.a. - Not available.

*SWEET POTATOES—YIELD PER ACRE—CWT

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Maryland	195	165	160	165	130	140	150	160	140	120
New Jersey	110	90	110	125	110	120	75	80	130	115
Virginia	150	115	140	130	110	115	125	135	155	165
N. Carolina	135	120	135	150	150	130	130	120	145	135
S. Carolina	125	115	100	125	105	95	100	110	110	95
Georgia	130	125	140	160	130	150	160	170	130	200
Alabama	120	105	115	120	110	90	115	120	120	140
Arkansas	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Louisiana	100	95	105	120	125	130	145	160	160	170
Mississippi	100	95	105	120	100	110	100	95	120	140
Tennessee	85	80	95	150	110	110	90	100	n.a.	n.a.
Texas	135	120	110	130	120	115	70	90	60	120
California	190	195	180	195	200	205	170	175	175	185
U.S. AVG.	129	118	125	141	136	131	128	132	141	148

*All uses. n.a. - Not available.

SWEET POTATOES—PRODUCTION—1,000 CWT

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Maryland........	254	182	176	182	117	112	135	80	84	36
New Jersey......	319	216	264	338	220	276	173	168	273	219
Virginia.........	330	138	84	143	99	104	113	108	155	165
MID ATL........	903	536	524	663	436	492	421	356	512	420
N. Carolina......	5,940	4,440	5,130	6,000	5,100	4,550	4,420	4,080	4,930	4,050
S. Carolina......	663	460	500	625	420	333	300	330	374	276
Georgia.........	819	725	896	1,008	754	630	720	816	585	760
LOWER ATL....	7,422	5,625	6,526	7,633	6,274	5,513	5,440	5,226	5,889	5,086
Alabama........	660	515	679	768	693	360	472	468	588	658
Arkansas........	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Louisiana........	2,500	2,280	2,415	2,520	2,500	2,470	2,465	2,880	3,360	2,720
Mississippi......	500	447	504	660	520	495	350	285	420	490
Tennessee.......	128	112	95	165	99	88	72	60	n.a.	n.a.
Texas...........	972	852	803	1,001	792	840	518	630	372	660
S. CENTRAL....	4,760	4,206	4,496	5,114	4,604	4,253	3,877	4,323	4,740	4,528
California........	1,748	1,716	1,440	1,443	1,360	1,353	1,207	1,453	1,453	1,462
U.S.	14,833	12,083	12,986	14,853	12,674	11,611	10,945	11,358	12,594	11,496

n.a. - Not available.

[1]MUSHROOMS—PRODUCTION, SALES, USE, VALUE

Crop year beginning July 1 of year shown

	1982	1983	1984	1985	1986	1987	1988	1989	1990	*1991
Production Area—1,000 sq. ft.										
California........	23,777	25,301	25,169	22,574	21,575	21,815	23,036	23,737	24,712	24,969
Pennsylvania	68,620	74,289	68,524	60,210	61,759	60,462	60,042	64,909	65,506	64,970
Other States.....	42,998	43,220	45,440	46,781	46,326	48,250	49,581	49,215	51,252	53,077
Total U.S.	135,395	142,810	139,133	129,565	129,660	130,527	132,659	137,861	141,470	143,016
Production—1,000 lbs.										
California........	89,414	108,475	113,600	106,910	110,997	112,580	129,054	132,998	130,867	n.a.
Pennsylvania	246,582	279,654	275,196	256,160	281,376	284,783	294,070	332,449	351,204	n.a.
Other States.....	154,830	173,402	206,885	224,886	222,020	234,456	244,635	249,545	†267,417	n.a.
Total U.S.	490,826	561,531	595,681	587,956	614,393	631,819	667,759	714,992	749,488	n.a.
Price Per Pound—Cents										
California........	111.0	98.6	100.0	97.7	110.0	97.9	100.0	96.0	97.6	n.a.
Pennsylvania	70.0	73.4	67.5	66.6	69.1	72.0	73.6	77.1	70.1	n.a.
Other States.....	102.9	100.4	93.6	96.9	96.9	97.7	102.4	104.5	102.6	n.a.
Value of Production—$1,000										
California........	99,415	106,967	114,143	104,444	122,064	110,189	129,457	127,701	127,790	n.a.
Pennsylvania	172,607	205,196	185,801	170,705	194,465	205,100	216,436	256,225	246,197	n.a.
Other States.....	159,399	174,225	193,704	217,944	215,129	229,011	250,445	260,812	274,272	n.a.
Total U.S.	431,421	486,388	493,648	493,093	531,658	544,300	596,338	644,738	648,259	n.a.
Sales to Processors—1,000 lbs.										
Pennsylvania	117,251	124,979	115,529	99,981	98,222	99,674	117,628	139,629	161,704	n.a.
Other East.......	10,503	11,240	15,787	16,938	14,623	15,541	12,513	13,875	16,281	n.a.
Central..........	16,945	18,444	23,755	26,740	27,780	27,046	25,425	21,164	30,181	n.a.
West............	8,893	18,793	20,697	17,093	16,469	20,663	27,518	28,420	29,064	n.a.
Total..........	153,592	173,456	175,768	160,752	157,094	162,924	183,084	203,088	237,230	n.a.
Price Per lb. to Proc.—Cents										
Pennsylvania	59.3	62.7	55.1	52.8	52.7	58.5	64.3	63.5	58.5	n.a.
Other East......	55.0	61.7	47.9	49.0	49.7	57.4	62.3	60.5	59.4	n.a.
Central..........	72.3	73.4	65.7	61.9	69.3	71.2	74.7	76.3	72.7	n.a.
West............	65.5	70.4	67.9	61.7	62.7	62.2	69.9	68.5	67.9	n.a.
U.S...........	60.8	64.6	57.4	54.9	56.4	61.0	66.5	65.3	61.5	n.a.
Value of Proc. Sales—$1,000										
Pennsylvania	69,530	78,362	63,656	52,790	51,763	58,309	75,635	88,664	94,597	n.a.
Other East.......	5,773	6,931	7,559	8,296	7,272	8,915	7,792	8,389	9,675	n.a.
Central..........	12,244	13,544	15,612	16,540	19,260	19,264	18,988	16,154	21,945	n.a.
West............	5,826	13,224	14,059	10,553	10,326	12,845	19,248	19,476	19,731	n.a.
Total..........	93,373	112,061	100,886	88,179	88,621	99,333	121,663	132,683	145,948	n.a.
Sales to Fresh Market—1,000 lbs.										
Pennsylvania	129,331	154,675	159,667	156,179	183,154	185,109	176,442	192,820	189,500	n.a.
Other East.......	44,515	51,530	63,198	65,606	64,857	68,367	76,597	77,835	76,560	n.a.
Central..........	40,857	44,839	44,046	48,988	46,412	49,509	54,588	56,598	57,891	n.a.
West............	122,531	137,031	153,002	156,431	162,876	165,910	177,048	184,651	188,307	n.a.
Total..........	337,234	388,075	419,913	427,204	457,299	468,895	484,675	511,904	512,258	n.a.

See footnotes on next page.

MUSHROOMS—PRODUCTION, SALES, USE, VALUE—Continued

	1982	1983	1984	1985	1986	1987	1988	1989	1990	*1991
Price Per Lb. to Fresh Market—Cents										
Pennsylvania	79.7	82.0	76.5	75.5	77.9	79.3	79.8	86.9	80.0	n.a.
Other East	112.0	106.0	94.1	108.0	103.0	104.0	108.0	111.0	111.0	n.a.
Central	103.0	103.0	103.0	107.0	109.0	111.0	112.0	116.0	114.0	n.a.
West	117.0	107.0	108.0	105.0	112.0	104.0	107.0	104.0	106.0	n.a.
U.S.	100.0	96.5	93.5	94.8	96.9	94.9	97.9	100.0	98.1	n.a.
Value of Fresh Market Sales—$1,000										
Pennsylvania	103,077	126,834	122,145	117,915	142,702	146,791	140,801	167,561	151,600	n.a.
Other East	49,669	54,456	59,460	70,943	66,737	71,174	82,841	86,220	85,097	n.a.
Central	41,951	46,108	45,551	52,333	50,650	55,003	60,978	65,722	65,792	n.a.
West	143,351	146,929	165,606	163,723	182,948	171,999	190,055	192,552	199,822	n.a.
Total	338,048	374,327	392,762	404,914	443,037	444,967	474,675	512,055	502,311	n.a.

[1] All mushroom statistics from 1987 on are for Agaricus bisporus. Through 1986, Production, Price Per Pound & Value of Production estimates are primarily Agaricus bisporus, but also include exotic and specialty mushrooms. Beginning in 1986, Area in Production estimates are only Agaricus bisporus. *Filling intentions - represents area intended for use during 1991/92 season. †1990 Production includes 30,677,000 lb. in Florida and 25,451,000 lb. in Michigan. n.a. - Not available.

FRUIT CROPS—UTILIZATION, PRICE, VALUE

APPLES—UTILIZED PRODUCTION, PRICE, VALUE

State	Utilized Production			Price Per Pound			Value of Utilized Prod.		
	1989	1990	*1991	1989	1990	*1991	1989	1990	*1991
	Million pounds			Cents			1,000 Dollars		
Arizona	34.0	61.0	56.0	7.4	8.0	13.4	2,531	4,892	7,504
Arkansas	9.0	12.0	10.0	18.8	19.1	16.9	1,688	2,292	1,690
California	675.0	780.0	800.0	15.0	15.6	20.4	101,023	121,700	163,200
Colorado	68.0	33.0	70.0	9.6	14.7	13.9	6,548	4,838	9,730
Connecticut	23.0	31.0	26.0	24.3	26.4	27.8	5,586	8,190	7,228
Delaware	15.0	17.0	25.0	11.3	11.6	13.7	1,690	1,971	3,425
Georgia	24.0	21.0	30.0	14.0	13.2	14.5	3,348	2,778	4,350
Idaho	158.0	165.0	120.0	7.9	13.5	20.5	12,413	22,274	24,600
Illinois	87.0	58.0	68.0	13.0	17.5	18.5	11,349	10,153	12,580
Indiana	63.0	56.0	60.0	18.7	20.0	23.3	11,795	11,184	13,980
Iowa	10.8	8.7	7.8	20.8	22.1	29.2	2,246	1,922	2,278
Kansas	11.3	6.8	8.5	20.9	21.5	25.5	2,362	1,461	2,168
Kentucky	12.0	8.0	16.0	18.0	20.5	22.1	2,160	1,640	3,536
Maine	68.0	84.0	80.0	21.1	22.4	21.7	14,322	18,810	17,360
Maryland	37.0	33.0	73.0	11.2	13.7	15.4	4,147	4,521	11,242
Massachusetts	74.0	81.0	73.0	21.8	23.9	24.6	16,133	19,322	17,958
Michigan	950.0	750.0	880.0	8.2	10.3	11.8	78,080	77,500	103,840
Minnesota	27.5	19.2	22.0	27.8	37.4	45.2	7,651	7,186	9,944
Missouri	54.0	41.0	40.0	13.6	16.9	20.8	7,343	6,927	8,320
New Hampshire	41.0	48.0	45.0	23.1	24.2	25.7	9,456	11,635	11,565
New Jersey	43.0	59.0	95.0	15.3	13.0	16.9	6,579	7,672	16,055
New Mexico	5.3	6.8	2.3	20.0	17.9	29.0	1,060	1,217	667
New York	960.0	990.0	1,050.0	10.4	12.9	12.8	99,960	127,810	134,400
North Carolina	220.0	230.0	260.0	8.8	10.0	9.2	19,380	22,932	23,920
Ohio	125.0	120.0	120.0	17.9	17.4	22.0	22,385	20,875	26,400
Oregon	160.0	180.0	130.0	5.0	11.2	15.1	7,947	20,205	19,630
Pennsylvania	320.0	450.0	530.0	10.7	14.2	10.7	34,160	63,708	56,710
Rhode Island	5.5	6.0	5.0	24.4	25.8	27.1	1,342	1,545	1,355
South Carolina	33.0	33.0	42.0	12.0	12.7	10.0	3,975	4,203	4,200
Tennessee	10.0	7.7	11.7	14.8	17.9	17.6	1,475	1,380	2,059
Utah	54.0	22.0	52.0	12.0	18.8	20.0	6,458	4,132	10,400
Vermont	43.0	41.0	45.0	19.2	21.3	19.0	8,274	8,725	8,550
Virginia	320.0	203.0	415.0	10.2	10.1	11.6	32,620	20,426	48,140
Washington	5,000.0	4,800.0	4,300.0	9.3	16.4	21.7	466,000	784,950	933,100
West Virginia	115.0	150.0	185.0	9.8	9.6	10.7	11,310	14,420	19,795
Wisconsin	62.0	46.0	57.0	15.6	25.0	21.3	9,641	11,500	12,141
United States	9,917.4	9,658.2	9,810.3	10.4	15.1	17.9	1,034,437	1,456,896	1,754,020

*Preliminary.

APPLES—UTILIZATION, PRICE—SELECTED STATES

	UTILIZATION (million pounds)				PRICE (dollars per ton)			
	1987	1988	1989	1990	1987	1988	1989	1990
California								
Canned	80.0	44.0	61.0	80.0	123.00	156.00	150.00	159.00
Juice/cider	292.0	245.0	284.0	318.0	72.00	117.00	142.00	127.00
Frozen	n.a.	n.a.	n.a.	18.0	n.a.	n.a.	n.a.	152.00
Dried	48.0	36.0	52.0	54.0	121.00	119.00	125.00	130.00
Other	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total Proc.	420.0	325.0	397.0	470.0	87.30	123.00	141.00	134.00
Fresh	230.0	305.0	278.0	310.0	466.00	640.00	524.00	582.00
Michigan								
Canned	195.0	200.0	217.0	223.0	133.00	164.00	148.00	172.00
Juice/cider	330.0	270.0	270.0	165.0	84.00	106.00	86.00	122.00
Frozen	125.0	120.0	140.0	110.0	150.00	184.00	176.00	196.00
Dried	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Other	10.0	10.0	3.0	2.0	82.00	116.00	114.00	176.00
Total Proc.	660.0	600.0	630.0	500.0	111.00	141.00	127.00	161.00
Fresh	390.0	230.0	320.0	250.0	220.00	264.00	236.00	296.00
New York								
Canned	265.0	290.0	294.0	256.0	126.00	160.00	142.00	160.00
Juice/cider	170.0	135.0	124.0	135.0	90.00	98.00	90.00	114.00
Frozen	40.0	50.0	70.0	58.0	128.00	164.00	164.00	184.00
Dried	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Other	25.0	30.0	32.0	21.0	130.00	154.00	156.00	158.00
Total Proc.	500.0	505.0	520.0	470.0	114.00	143.00	133.00	150.00
Fresh	380.0	405.0	440.0	520.0	274.00	306.00	296.00	356.00
Pennsylvania								
Canned	197.4	276.0	162.0	208.0	117.00	148.00	148.00	234.00
Juice/cider	126.0	98.4	31.0	51.0	78.00	98.00	100.00	122.00
Frozen	3.8	3.5	3.0	3.0	132.00	164.00	172.00	184.00
Dried	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Other	2.8	4.1	4.0	4.0	94.00	102.00	118.00	142.00
Total Proc.	330.0	382.0	200.0	266.0	102.00	135.00	140.00	211.00
Fresh	170.0	138.0	120.0	184.0	328.00	314.00	336.00	386.00
Virginia								
Canned	155.0	144.0	114.0	91.0	135.00	175.00	180.00	163.00
Juice/cider	73.0	46.0	33.0	24.0	86.00	116.00	99.00	150.00
Frozen	21.0	25.0	n.a.	n.a.	128.00	168.00	n.a.	n.a.
Dried	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Other	7.0	2.0	n.a.	5.0	74.00	88.00	n.a.	150.00
Total Proc.	256.0	217.0	175.0	140.0	119.00	161.00	164.00	163.00
Fresh	185.0	200.0	145.0	63.0	268.00	286.00	252.00	284.00
Washington								
Canned	150.0	160.0	245.0	225.0	73.80	110.00	105.00	144.00
Juice/cider	1,400.0	620.0	990.0	1,050.0	32.80	73.00	51.50	125.00
Frozen	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Dried	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Other	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total Proc.	1,800.0	1,050.0	1,500.0	1,550.0	39.80	87.00	66.60	128.00
Fresh	3,000.0	2,850.0	3,500.0	3,250.0	208.00	322.00	238.00	422.00
West Virginia								
Canned	75.5	94.2	58.0	63.5	125.00	164.00	136.00	134.00
Juice/cider	34.3	39.3	15.0	22.5	92.00	116.00	104.00	110.00
Frozen	15.4	13.9	6.5	23.0	126.00	134.00	182.00	146.00
Dried	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Other	1.8	2.6	.5	1.0	94.00	126.00	140.00	108.00
Total Proc.	127.0	150.0	80.0	110.0	116.00	148.00	134.00	131.00
Fresh	53.0	65.0	35.0	40.0	234.00	284.00	340.00	358.00
United States								
Canned	1,305.8	1,399.1	1,320.4	1,378.3	118.00	152.00	141.00	169.00
Juice/cider	2,928.8	1,824.6	2,071.1	2,080.8	57.80	95.70	78.80	124.00
Frozen	249.1	265.7	321.5	303.8	132.00	164.00	158.00	172.00
Dried	283.8	285.0	282.4	270.3	67.70	106.00	95.20	125.00
Other	73.7	66.7	56.7	74.0	99.90	131.00	134.00	149.00
Total Proc.	4,841.2	3,841.1	4,052.1	4,107.2	79.30	123.00	107.00	144.00
Fresh	5,610.1	5,240.3	5,865.3	5,551.0	254.00	348.00	278.00	418.00

SWEET CHERRIES—UTILIZED* PRODUCTION, PRICE, VALUE

	1983	1984	1985	1986	1987	1988	1989	1990	†1991
CALIFORNIA									
Fresh........ tons........	12,900	27,600	19,350	6,600	34,000	19,500	18,500	16,300	27,000
Canned........ do........	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Brined........ do........	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total Used...... do......	16,800	37,200	23,500	8,400	45,000	26,000	26,000	22,000	36,000
Price Per Ton-Fresh......	$973	$804	$1,160	$1,390	$686	$874	$1,120	$1,080	$1,030
Price Per Ton-Proc........	$555	$352	$529	$576	$481	$461	$493	$352	$676
Price Per Ton-All.........	$876	$687	$1,050	$1,220	$636	$771	$939	$891	$942
Value.............. $1,000	14,717	25,569	24,641	10,211	28,615	20,040	24,418	19,610	33,894
IDAHO									
Total Used..... tons.....	1,650	2,400	2,100	2,300	1,700	2,200	2,500	1,600	400
Value.............. $1,000	961	1,105	2,065	1,971	1,259	2,056	1,903	1,720	203
MICHIGAN									
Fresh........ tons........	2,000	3,000	3,000	4,000	6,000	5,500	4,500	2,500	2,500
Canned........ do........	3,700	5,300	4,600	2,000	4,300	2,450	1,850	1,750	2,350
Brined........ do........	9,000	17,600	19,200	10,000	16,800	16,950	15,800	9,000	14,000
Total Used...... do......	18,000	31,000	31,000	20,000	32,000	28,000	25,000	13,500	22,000
Price Per Ton-Fresh......	$792	$892	$752	$800	$906	$1,250	$788	$1,190	$974
Price Per Ton-Proc........	$418	$373	$473	$520	$500	$512	$398	$358	$648
Price Per Ton-All.........	$460	$423	$500	$576	$576	$657	$468	$512	$685
Value.............. $1,000	8,272	13,120	15,500	11,520	18,436	18,395	11,705	6,913	15,071
MONTANA									
Total Used..... tons.....	1,365	1,400	3,500	1,000	2,600	1,900	(a)	150	(a)
Value.............. $1,000	624	932	2,255	480	2,280	1,042	(a)	250	(a)
NEW YORK									
Total Used..... tons.....	3,000	2,200	1,500	1,400	1,250	1,270	1,180	700	1,200
Value.............. $1,000	1,706	1,248	1,005	1,008	909	1,042	924	520	1,081
OREGON									
Fresh........ tons........	9,500	10,000	4,000	8,500	13,000	16,000	15,000	10,500	9,000
Canned........ do........	4,700	2,300	3,700	2,900	4,100	8,600	5,000	5,800	5,500
Brined........ do........	21,800	14,800	17,800	24,300	33,000	31,000	27,000	20,000	21,000
Total Used...... do......	42,000	29,500	27,000	38,000	54,000	60,000	50,000	40,000	39,000
Price Per Ton-Fresh......	$604	$548	$861	$860	$995	$834	$650	$1,000	$1,240
Price Per Ton-Proc........	$451	$462	$579	$606	$593	$579	$508	$517	$748
Price Per Ton-All.........	$486	$491	$621	$663	$690	$647	$551	$644	$862
Value.............. $1,000	20,396	14,489	16,761	25,187	37,248	38,820	27,530	25,752	33,600
PENNSYLVANIA									
Total Used..... tons.....	750	900	500	1,000	700	1,200	650	50	1,000
Value.............. $1,000	1,095	1,098	655	1,270	1,036	1,512	975	81	1,530
UTAH									
Total Used..... tons.....	4,300	3,850	2,100	2,160	1,770	1,940	1,600	1,350	800
Value.............. $1,000	2,808	1,881	1,624	1,509	1,181	1,505	1,280	871	700
WASHINGTON									
Fresh........ tons........	63,500	42,500	20,200	44,100	49,500	39,600	61,300	38,800	26,600
Canned........ do........	2,700	1,800	3,000	2,500	3,800	3,900	6,100	1,500	2,500
Brined........ do........	7,100	5,600	7,700	12,000	12,500	11,900	8,900	4,000	7,500
Total Used...... do......	80,900	55,800	35,300	62,500	74,000	62,000	84,000	53,000	43,000
Price Per Ton-Fresh......	$774	$868	$1,430	$1,140	$1,130	$1,320	$949	$1,500	$1,600
Price Per Ton-Proc........	$378	$283	$506	$498	$506	$386	$406	$310	$550
Price Per Ton-All.........	$689	$729	$1,030	$951	$923	$983	$802	$1,180	$1,200
Value.............. $1,000	55,726	40,654	36,527	59,437	68,332	60,918	67,390	62,602	51,580
UNITED STATES									
Fresh........ tons........	95,090	90,490	53,040	68,320	108,140	87,230	103,510	70,500	67,680
Canned........ do........	11,100	9,400	11,300	7,400	12,200	14,950	14,950	9,050	10,350
Brined........ do........	45,273	50,450	51,410	50,540	74,930	67,620	58,000	39,650	51,670
Other Proc.[1].............	17,302	13,910	10,750	10,500	17,750	14,710	14,470	13,150	13,700
Total Used...... do......	168,765	164,250	126,500	136,760	213,020	184,510	190,930	132,350	143,400
Price Per Ton-Fresh......	$785	$799	$1,190	$1,090	$953	$1,100	$932	$1,310	$1,286
Price Per Ton-Proc........	$430	$377	$515	$552	$536	$509	$453	$424	$668
Price Per Ton-All.........	$630	$609	$799	$823	$748	$788	$713	$894	$960
Value.............. $1,000	106,305	100,096	101,033	112,593	159,296	145,330	136,125	118,319	137,659

*See note on following page.

[1] Frozen, juice, etc.

(a) No significant commercial production due to frost.

† Preliminary.

TART CHERRIES—UTILIZED PRODUCTION*, PRICE, VALUE

	1983	1984	1985	1986	1987	1988	1989	1990	†1991
New York									
Total used ..... tons	11,500	12,650	11,250	6,150	12,200	10,750	11,250	6,650	12,750
Price per Ton...... Dollars	920	444	512	460	190	450	302	416	n.a.
Value.............. $1,000	10,585	5,625	5,764	2,835	2,318	4,835	3,396	2,765	n.a.
Pennsylvania									
Total Used ..... tons	4,250	4,500	3,000	6,000	2,350	4,500	2,850	1,650	5,750
Price per Ton...... Dollars	946	526	536	506	332	512	360	564	n.a.
Value.............. $1,000	4,020	2,367	1,608	3,040	779	2,301	1,027	931	n.a.
Michigan									
Fresh........ tons........	1,000	2,500	2,500	1,500	2,500	1,500	1,500	1,500	500
Canned........ do........	9,000	27,000	22,500	15,000	27,500	20,000	18,500	30,000	18,000
Frozen........ do........	32,500	65,000	81,000	62,000	75,000	64,000	61,000	46,000	35,500
Total Used ...... do	43,500	97,500	107,500	82,500	112,500	90,000	85,000	80,000	55,000
Price per Ton...... Dollars	982	508	438	396	150	366	298	370	n.a.
Value.............. $1,000	42,721	49,555	47,145	32,751	16,890	32,859	25,385	29,520	n.a.
Wisconsin									
Total Used ..... tons	2,250	6,000	3,750	1,850	2,450	4,300	3,450	2,200	3,800
Price per Ton...... Dollars	992	488	414	426	120	226	152	186	n.a.
Value.............. $1,000	2,232	2,922	1,549	788	295	973	522	409	n.a.
TOTAL GREAT LAKES									
Total Used ..... tons	61,500	120,650	125,500	96,500	129,500	109,550	102,550	90,500	77,300
Value.............. $1,000	59,558	60,469	56,066	39,414	20,282	40,968	30,330	33,625	n.a.
Colorado									
Total Used ..... tons	800	500	850	450	400	400	200	450	800
Price per Ton...... Dollars	838	500	458	798	202	502	250	414	n.a.
Value.............. $1,000	671	250	390	359	81	201	50	186	n.a.
Utah									
Total Used ..... tons	11,500	6,000	10,500	9,250	10,000	4,800	11,250	6,750	13,000
Price per Ton...... Dollars	804	480	460	382	166	380	242	282	n.a.
Value.............. $1,000	9,254	2,879	4,832	3,533	1,654	1,826	2,716	1,906	n.a.
Oregon									
Total Used ..... tons	3,000	800	3,250	3,000	3,100	2,000	7,500	3,750	3,750
Price per Ton...... Dollars	674	508	480	320	110	390	300	258	n.a.
Value.............. $1,000	2,023	406	1,560	960	340	780	2,252	968	n.a.
TOTAL WESTERN STATES									
Total Used ..... tons	15,300	7,300	14,600	12,700	13,500	7,200	18,950	10,950	17,550
Value.............. $1,000	11,948	3,535	6,782	4,852	2,075	2,807	5,018	3,060	n.a.
UNITED STATES									
Fresh........ tons........	2,650	3,950	3,800	2,750	4,550	2,500	3,350	2,550	1,850
Canned........ do........	18,700	36,800	30,450	21,950	35,800	27,900	25,350	35,550	30,550
Frozen........ do........	52,600	83,300	103,400	79,750	94,100	80,750	88,100	59,900	60,150
Other Proc.[1] ..... do	2,850	3,900	2,450	4,750	8,550	5,600	4,700	3,450	2,300
Total Used ...... do	76,800	127,950	140,100	109,200	143,000	116,750	121,500	101,450	94,850
Price per Ton...... Dollars	932	500	448	406	156	374	290	362	n.a.
Value.............. $1,000	71,506	64,004	62,848	44,266	22,357	43,775	35,348	36,685	n.a.

*Utilized Production is the amount sold plus quantities used at home or held in storage. Reference is to first utilization only. Some quantities used for freezing, juice, jam, jellies, brining, are included in state totals and United States "Other Proc." but excluded from state and area processing breakdown. [1] Juice, wine, brined. n.a. - Not available. † Preliminary.

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*ORANGES—UTILIZED PRODUCTION, USE, PRICE, VALUE

	1982	1983	1984	1985	1986	1987	1988	1989	1990
FLORIDA									
Temple									
Fresh	1,563	762	626	913	1,053	1,292	869	139	790
Processed	3,137	2,138	2,624	2,037	2,347	2,258	2,881	1,261	1,710
Total Prod.	4,700	2,900	3,250	2,950	3,400	3,550	3,750	1,400	2,500
Price per Box	5.97	7.41	8.07	5.44	6.03	7.87	7.43	7.62	7.89
Value of Prod.	28,056	21,489	26,225	16,052	20,513	27,940	27,844	10,668	19,726
Other Early & Midseason									
Fresh	6,067	4,939	4,418	5,121	5,267	5,870	5,434	4,851	5,966
Processed	64,133	64,761	50,582	59,079	60,533	72,630	79,866	63,249	81,534
Total Prod.	70,200	69,700	55,000	64,200	65,800	78,500	85,300	68,100	87,500
Price per Box	6.58	6.89	9.15	5.92	6.56	8.47	8.54	7.86	7.84
Value of Prod.	462,255	480,259	503,120	379,766	431,890	664,544	728,887	535,361	686,160
Valencia									
Fresh	4,253	2,701	2,234	3,839	3,603	3,650	3,054	1,071	6,410
Processed	65,147	44,299	46,666	51,161	50,297	55,850	58,246	41,029	57,590
Total Prod.	69,400	47,000	48,900	55,000	53,900	59,500	61,300	42,100	64,000
Price per Box	7.11	8.52	8.73	5.97	8.02	10.48	10.26	8.38	9.06
Value of Prod.	493,486	400,418	427,019	328,593	432,281	623,655	628,642	352,736	579,606
Total Florida									
Fresh	11,883	8,402	7,278	9,873	9,923	10,812	9,357	6,061	13,166
Processed	132,417	111,198	99,872	112,277	113,177	130,738	140,993	105,539	140,834
Total Prod.	144,300	119,600	107,150	122,150	123,100	141,550	150,350	111,600	154,000
Price per Box	6.82	7.54	8.93	5.93	7.19	9.30	9.21	8.05	8.35
Value of Prod.	983,797	902,166	956,364	724,411	884,684	1,316,139	1,385,373	898,765	1,285,492
CALIFORNIA									
Navel & Misc.									
Fresh	27,200	25,350	23,100	26,500	26,500	24,900	25,900	32,300	9,200
Processed	13,000	8,350	3,100	6,500	8,000	6,600	8,100	12,000	6,600
Total Prod.	40,200	33,700	26,200	33,000	34,500	31,500	34,000	44,300	15,800
Price per Box	4.61	5.57	11.36	7.15	7.04	7.82	7.57	8.03	10.43
Value of Prod.	185,328	187,721	297,610	235,980	242,840	246,462	257,328	355,661	164,850
Valencia									
Fresh	16,050	12,200	17,300	17,100	15,200	16,400	14,700	14,800	6,700
Processed	19,850	2,600	8,900	3,800	8,200	11,100	10,200	12,300	4,300
Total Prod.	35,900	14,800	26,200	20,900	23,400	27,500	24,900	27,100	11,000
Price per Box	3.66	14.22	7.95	6.17	8.17	7.70	8.23	7.49	19.01
Value of Prod.	131,371	210,440	208,360	128,972	191,284	211,718	204,936	203,042	209,105
Total California									
Fresh	43,250	37,550	40,400	43,600	41,700	41,300	40,600	47,100	15,900
Processed	32,850	10,950	12,000	10,300	16,200	17,700	18,300	24,300	10,900
Total Prod.	76,100	48,500	52,400	53,900	57,900	59,000	58,900	71,400	26,800
Price per Box	4.16	8.21	9.66	6.77	7.50	7.77	7.85	7.82	13.95
Value of Prod.	316,699	398,161	505,970	364,952	434,124	458,180	462,264	558,703	373,955
ARIZ. & TEX.†									
Fresh	5,885	2,840	1,605	1,935	2,745	2,701	2,771	1,822	1,418
Processed	3,595	1,400	445	405	830	549	779	993	332
Total Prod.	9,480	4,240	2,050	2,340	3,575	3,250	3,550	2,815	1,750
Price per Box	4.71	5.91	9.42	7.32	6.77	8.40	8.08	7.85	18.44
Value of Prod.	44,616	25,047	19,301	17,117	24,204	27,302	28,674	22,099	32,269
UNITED STATES									
Fresh	61,018	48,792	49,283	55,408	54,368	54,813	52,728	54,983	30,484
Processed	168,862	123,548	112,317	122,982	130,207	148,987	160,072	130,832	152,066
Total Prod.	229,880	172,340	161,600	178,390	184,575	203,800	212,800	185,815	182,550
Price per Box	5.85	7.69	9.17	6.20	7.28	8.84	8.82	7.96	9.27
Value of Prod.	1,345,112	1,325,374	1,481,635	1,106,480	1,343,012	1,801,621	1,876,311	1,479,567	1,691,716

*Season beginning year shown. Quantities are in units of 1,000 boxes. Price per Box in dollars, and Value of Production in thousands of dollars. Net weight per box-Florida-90 pounds; California and Arizona-75 pounds; Texas-85 pounds. † Arizona only in 1984 & 1990.

PROCESSED FLORIDA ORANGES*

	1982	1983	1984	1985	1986	1987	1988	1989	1990
Frozen Conc.	114,627	94,547	86,112	96,061	96,182	110,206	113,732	73,640	104,136
Chilled Products	18,254	16,981	14,903	17,267	19,661	23,325	29,902	33,836	38,366
Other Processed	2,665	2,909	1,907	1,361	948	904	1,141	659	568
TOTAL	135,546	114,437	102,922	114,689	116,791	134,435	144,775	108,135	143,070

*Season beginning year shown. Quantities are in units of 1,000 boxes, net weight 90 lbs. per box (tangerines 95 lbs.). Includes tangelos, temples, tangerines and K-Early citrus.

*GRAPEFRUIT—UTILIZED PRODUCTION, USE, PRICE

	1982	1983	1984	1985	1986	1987	1988	1989	1990
FLORIDA									
Pink Seedless									
Fresh	9,268	9,019	9,638	12,885	13,852	15,090	15,869	9,290	15,729
Processed	3,532	4,381	6,662	5,115	6,148	6,810	7,831	7,010	6,071
Total Prod.	12,800	13,400	16,300	18,000	20,000	21,900	23,700	16,300	21,800
Price per Box, Fresh	5.70	6.65	8.05	7.30	8.10	8.46	7.53	11.20	10.46
Price per Box, Proc.	1.45	3.08	3.92	4.82	5.88	5.51	3.88	3.62	2.44
White Seedless									
Fresh	9,045	7,642	5,350	6,735	7,086	8,020	8,033	4,054	8,189
Processed	12,755	15,358	19,450	18,865	19,814	21,180	19,667	13,946	13,511
Total Prod.	21,800	23,000	24,800	25,600	26,900	29,200	27,700	18,000	21,700
Price per Box, Fresh	4.11	4.34	5.44	5.80	6.30	8.42	7.82	12.51	10.27
Price per Box, Proc.	1.97	3.16	4.32	4.98	6.01	6.45	5.21	5.20	3.52
Other Varieties									
Fresh	.....	.....	.....	.....	(a)	(a)	(a)	(a)	(a)
Processed	4,800	4,500	2,900	3,150	2,900	2,750	3,350	1,400	1,600
Total Prod.	4,800	4,500	2,900	3,150	2,900	2,750	3,350	1,400	1,600
Price per Box, Fresh	.....	.....	.....	.....	(a)	(a)	(a)	(a)	(a)
Price per Box, Proc.	2.00	3.41	4.08	4.87	5.87	6.59	5.28	5.44	4.52
Total Florida									
Fresh	18,313	16,661	14,988	19,620	20,938	23,110	23,902	13,344	23,918
Processed	21,087	24,239	29,012	27,130	28,862	30,740	30,848	22,356	21,182
Total Prod.	39,400	40,900	44,000	46,750	49,800	53,850	54,750	35,700	45,100
Price per Box, Fresh	4.91	5.59	7.12	6.79	7.49	8.45	7.63	11.60	10.39
Price per Box, Proc.	1.89	3.19	4.20	4.94	5.97	6.25	4.88	4.72	3.29
CALIFORNIA									
Desert Valleys									
Fresh	2,420	2,020	2,600	2,400	2,600	2,600	2,550	2,400	2,500
Processed	1,680	1,320	1,200	1,200	1,700	1,600	950	1,100	1,000
Total Prod.	4,100	3,340	3,800	3,600	4,300	4,200	3,500	3,500	3,500
Price per Box, Fresh	4.71	6.68	9.48	9.86	8.48	7.48	6.42	13.08	8.48
Price per Box, Proc.	.12	-.08	1.09	.70	.90	1.16	-.06	.37	-.27
Other Areas									
Fresh	2,000	2,600	3,600	3,300	3,250	3,400	2,950	3,600	2,700
Processed	1,200	1,300	1,400	1,200	1,750	1,500	1,550	2,300	1,800
Total Prod.	3,200	3,900	5,000	4,500	5,000	4,900	4,500	5,900	4,500
Price per Box, Fresh	6.34	6.72	9.86	10.32	9.66	9.94	11.12	11.68	9.88
Price per Box, Proc.	.04	-.16	1.06	.60	.73	1.00	.22	.70	-.23
Total California									
Fresh	4,420	4,620	6,200	5,700	5,850	6,000	5,500	6,000	5,200
Processed	2,880	2,620	2,600	2,400	3,450	3,100	2,500	3,400	2,800
Total Prod.	7,300	7,240	8,800	8,100	9,300	9,100	8,000	9,400	8,000
Price per Box, Fresh	5.47	6.70	9.70	10.13	9.15	8.90	8.99	12.22	9.22
Price per Box, Proc.	.09	-.12	1.07	.65	.81	1.08	.12	.60	-.24
TEXAS									
Fresh	7,800	2,860	(b)	200	1,555	2,785	3,890	1,605	(b)
Processed	3,400	340	(b)	20	370	1,015	910	395	(b)
Total Prod.	11,200	3,200	(b)	220	1,925	3,800	4,800	2,000	(b)
Price per Box, Fresh	2.58	3.10	(b)	9.89	8.63	7.60	6.04	8.44	(b)
Price per Box, Proc.	1.00	1.19	(b)	4.48	4.60	4.52	1.77	1.56	(b)
ARIZONA									
Fresh	1,980	1,700	2,180	1,800	1,740	1,300	1,335	1,665	1,692
Processed	1,320	800	1,170	1,000	1,010	650	615	535	708
Total Prod.	3,300	2,500	3,350	2,800	2,750	1,950	1,950	2,200	2,400
Price per Box, Fresh	4.21	5.78	8.10	7.14	7.48	6.18	6.42	13.08	9.18
Price per Box, Proc.	.12	-.08	1.09	.69	.90	1.16	.09	.42	-.27
UNITED STATES									
Fresh	32,513	25,841	23,368	27,320	30,083	33,195	34,627	22,614	30,810
Processed	28,687	27,999	32,782	30,550	33,692	35,505	34,873	26,686	24,690
Total Prod.	61,200	53,840	56,150	57,870	63,775	68,700	69,500	49,300	55,500
Price per Box, Fresh	4.38	5.49	7.77	7.41	7.81	8.37	7.59	11.60	10.18
Price per Box, Proc.	1.58	2.85	3.92	4.57	5.42	5.77	4.47	4.18	2.89

*Season beginning year shown. Quantities are in units of 1,000 boxes. Price per Box in dollars. Net weight per box — Florida, 85 pounds; Texas, 80 pounds; Calif. Desert Valleys and Arizona, 64 pounds; Other Calif., 67 pounds. (a) Insignificant and included with processed. (b) No commercial harvest due to freeze.

PROCESSED FLORIDA GRAPEFRUIT*

	1982	1983	1984	1985	1986	1987	1988	1989	1990
Frozen Conc.	13,977	18,728	22,996	21,572	24,143	26,690	26,621	19,405	17,413
Chilled Products	1,731	1,320	1,065	1,189	2,295	1,965	2,626	1,931	3,396
Other Processed	5,379	4,191	4,951	4,369	2,424	2,085	1,601	1,019	373
TOTAL	21,087	24,239	29,012	27,130	28,862	30,740	30,848	22,355	21,182

*Season beginning year shown. Quantities are in units of 1,000 boxes, net weight 85 lbs. per box.

APRICOTS—UTILIZED PRODUCTION*, USE, PRICE, VALUE

	1983	1984	1985	1986	1987	1988	1989	1990	†1991
WASHINGTON									
Fresh .... Tons	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Processed ...... do	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Total Used ...... do	2,900	3,400	2,400	4,300	3,900	6,100	1,600	7,200	5,700
Price per Ton... Dollars...	604	490	628	772	709	682	1,400	596	895
Value.............. $1,000	1,751	1,665	1,508	3,319	2,765	4,162	2,236	4,291	5,099
CALIFORNIA									
Fresh .... Tons	6,500	12,200	17,000	6,300	12,300	12,600	14,000	17,000	15,000
Canned........ do........	43,800	66,800	61,000	27,000	53,000	44,500	67,000	64,000	43,000
Dried .... do	28,200	22,500	13,000	9,500	23,600	17,700	25,000	21,000	17,000
Frozen........ do........	11,000	11,500	12,000	7,200	13,100	12,200	11,000	11,000	11,000
Total Used ...... do	89,500	113,000	103,000	50,000	102,000	87,000	117,000	113,000	86,000
Price per Ton... Dollars...	306	302	255	371	333	340	323	323	374
Value.............. $1,000	27,404	34,178	26,276	18,564	33,970	29,613	37,821	36,536	32,183
UNITED STATES[1]									
Fresh .... Tons	9,750	15,400	19,350	10,350	15,950	18,200	15,750	23,740	20,140
Canned........ do........	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Dried .... do	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Frozen........ do........	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total Used ...... do	93,000	116,700	105,800	54,600	106,250	93,500	118,950	120,440	91,790
Price per Ton...... Dollars	315	308	264	403	347	363	338	340	407
Value.............. $1,000	29,311	35,948	27,936	21,987	36,882	33,927	40,222	40,937	37,356

*Utilized production is the amount sold plus quantities used at home or held in storage. Reference is to first utilization only. [1] Includes Utah. (a) Not published to avoid disclosure of individual operations. n.a. - Not available. † Preliminary.

CRANBERRIES—UTILIZED PRODUCTION*, USE, PRICE†, VALUE

	1983	1984	1985	1986	1987	1988	1989	1990	††1991
MASSACHUSETTS									
Fresh ..... 1,000 bbl.	177.0	174.0	167.0	159.0	143.0	151.0	140.0	78.0	n.a.
Processed ...... do	1,217.0	1,438.0	1,472.0	1,529.0	1,277.0	1,678.0	1,632.0	1,240.0	n.a.
Shrinkage ...... do	27.0	51.0	48.0	125.0	29.0	32.0	43.0	n.a.	n.a.
Production Used ... do ...	1,421.0	1,663.0	1,687.0	1,813.0	1,449.0	1,861.0	1,815.0	1,318.0	2,034.0
Price per bbl ...... Dollars	45.50	46.80	46.60	44.80	44.40	46.30	45.70	47.60	n.a.
Value.............. $1,000	64,656	77,828	78,614	81,222	64,336	86,164	82,946	62,737	n.a.
Harvested Acres..........	11,700	11,900	12,100	12,100	12,100	12,300	12,300	12,400	12,400
Yield per Acre .... bbl	121.5	139.7	139.4	149.8	119.8	151.3	147.6	106.3	164.0
NEW JERSEY									
Fresh ..... 1,000 bbl	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Processed ...... do	229.0	271.8	319.0	324.0	279.0	363.0	290.0	315.0	n.a.
Shrinkage ...... do	4.0	2.2	1.0	1.0	1.0	7.0	2.0	8.0	n.a.
Production Used ... do ...	233.0	274.0	320.0	325.0	280.0	370.0	292.0	323.0	328.0
Price per bbl ...... Dollars	44.60	47.00	46.90	45.40	45.10	45.10	41.00	45.00	n.a.
Value.............. $1,000	10,392	12,878	15,008	14,755	12,628	16,687	11,972	14,535	n.a.
Harvested Acres..........	3,100	3,200	3,300	3,300	3,200	3,300	3,200	3,200	3,200
Yield per Acre .... bbl	75.2	85.6	97.0	98.5	87.5	112.1	91.3	100.9	102.5
WISCONSIN									
Fresh ..... 1,000 bbl	131.0	114.0	106.0	137.0	144.0	103.0	91.0	117.0	n.a.
Processed ...... do	958.0	1,058.0	1,096.0	1,173.0	1,221.0	1,430.0	1,170.0	1,254.0	n.a.
Shrinkage ...... do	43.0	28.0	28.0	20.0	25.0	27.0	39.0	14.0	n.a.
Production Used ... do ...	1,132.0	1,200.0	1,230.0	1,330.0	1,390.0	1,560.0	1,300.0	1,385.0	1,455.0
Price per bbl ...... Dollars	44.10	46.40	45.70	44.40	44.40	45.20	42.50	45.30	n.a.
Value.............. $1,000	49,921	55,680	56,211	59,052	61,716	70,512	55,250	62,741	n.a.
Harvested Acres..........	7,300	7,500	8,000	8,500	8,900	9,100	9,200	9,400	9,700
Yield per Acre .... bbl	155.1	160.0	153.8	156.5	156.2	171.4	141.3	147.3	150.0
WASHINGTON									
Fresh ..... 1,000 bbl	13.3	9.8	40.7	46.2	16.8	19.2	22.5	20.2	n.a.
Processed ...... do	109.3	90.7	106.3	53.4	111.5	114.8	132.5	133.8	n.a.
Shrinkage ...... do	2.4	2.5	1.0	.4	1.7	1.0	1.0	1.0	n.a.
Production Used ... do ...	125.0	103.0	148.0	100.0	130.0	135.0	156.0	155.0	158.0
Price per bbl ...... Dollars	44.30	47.00	46.80	45.30	45.00	44.90	42.80	44.80	n.a.
Value.............. $1,000	5,538	4,841	6,926	4,530	5,850	6,062	6,677	6,944	n.a.
Harvested Acres..........	1,100	1,100	1,200	1,200	1,300	1,300	1,400	1,400	1,400
Yield per Acre .... bbl	113.6	93.6	123.3	83.3	100.0	103.8	111.4	110.7	112.9

† Weighted average of co-op and independent sales. Co-op prices represent pool proceeds excluding returns from non-cranberry products and before any deductions for capital stock and other retains. †† Preliminary.

CRANBERRIES—UTILIZED PRODUCTION*, USE—Continued

	1983	1984	1985	1986	1987	1988	1989	1990	††1991
OREGON									
Fresh ..... 1,000 bbl	n.a.	n.a.	.1	n.a.	.5	1.0	1.0	1.0	n.a.
Processed ...... do	75.0	82.0	99.9	122.0	141.5	153.0	183.0	209.0	n.a.
Shrinkage ...... do	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Production Used ... do ...	75.0	82.0	100.0	122.0	142.0	154.0	184.0	210.0	203.0
Price per bbl ...... Dollars	44.30	47.00	46.80	45.30	44.90	44.90	42.80	44.80	n.a.
Value.............. $1,000	3,323	3,854	4,680	5,527	6,376	6,915	7,875	9,408	n.a.
Harvested Acres..........	850	920	1,100	1,200	1,200	1,300	1,400	1,400	1,400
Yield per Acre.... bbl....	88.2	89.1	90.9	101.7	118.3	118.5	131.4	150.0	145.0
UNITED STATES									
Fresh ..... 1,000 bbl.	321.3	297.8	313.8	342.2	304.3	274.2	254.5	216.2	n.a.
Processed ...... do	2,588.3	2,940.5	3,093.2	3,201.4	3,030.0	3,738.8	3,407.5	3,151.8	n.a.
Shrinkage ...... do	76.4	83.7	78.0	146.4	56.7	67.0	85.0	23.0	n.a.
Production Used ... do ...	2,986.0	3,322.0	3,485.0	3,690.0	3,391.0	4,080.0	3,747.0	3,391.0	4,178.0
Price per bbl ...... Dollars	44.80	46.70	46.30	44.70	44.50	45.70	44.00	46.10	n.a.
Value.............. $1,000	133,830	155,081	161,439	165,086	150,906	186,340	164,720	156,365	n.a.
Harvested Acres..........	24,050	24,620	25,700	26,300	26,700	27,300	27,500	27,800	28,100
Yield per Acre.... bbl....	124.2	134.9	135.6	140.3	127.0	149.5	136.3	122.0	148.7

See notes on preceding page.

CALIFORNIA OLIVES—UTILIZED PRODUCTION, PRICE, VALUE

	1983	1984	1985	1986	1987	1988	1989	1990	*1991
Fresh .... Tons	400	400	500	500	500	500	500	500	500
Crushed for Oil .... do	4,100	2,900	5,800	6,000	3,000	3,000	5,500	5,000	1,600
Canned........ do........	48,000	76,700	76,100	85,000	55,000	70,000	94,000	88,000	54,000
Limited & Undersized... do	8,500	10,600	13,600	20,000	9,000	14,000	23,000	38,000	8,900
Total Used ...... do	61,000	90,600	96,000	111,500	67,500	87,500	123,000	131,500	65,000
Price per Ton ..... $	519	550	559	587	608	517	467	489	633
Value.............. $1,000	31,641	49,810	53,634	65,407	41,053	45,229	57,458	64,309	41,143

PEACHES—UTILIZED PRODUCTION, PRICE, VALUE

	1983	1984	1985	1986	1987	1988	1989	1990	*1991
California — Clingstone									
Fresh .... Mil. Lbs.	.....	.....	.....	.....	.....	.....	.....	.....	.....
Canned....... do.......	614.5	952.0	910.0	842.0	791.0	887.0	848.0	901.0	900.0
Dried .... do	.....	.....	.....	.....	.....	.....	.....	.....	.....
Frozen....... do.......	.....	.....	.....	.....	.....	.....	.....	.....	.....
Other .... do	4.5	14.0	7.5	31.5	59.0	56.0	76.0	54.0	70.0
Total Used..... do.....	619.0	966.0	917.5	873.5	850.0	943.0	924.0	955.0	970.0
Price per lb........ cents	8.0	9.0	9.5	8.4	9.5	10.4	10.7	10.7	10.9
Value............ $1,000	49,520	86,940	87,163	73,374	80,750	98,072	98,868	102,185	105,730
California — Freestone									
Fresh .... Mil. Lbs.	303.0	313.0	315.0	302.0	310.0	320.0	349.0	384.0	385.0
Canned....... do.......	36.0	36.0	50.0	48.0	48.0	47.3	44.4	39.2	37.4
Dried .... do	36.0	28.0	32.5	32.5	35.0	41.2	28.6	27.1	44.3
Frozen....... do.......	60.0	80.0	88.5	112.5	118.0	114.5	127.0	149.7	143.3
Other .... do	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total Used..... do.....	435.0	457.0	486.0	495.0	511.0	523.0	549.0	600.0	610.0
Price per lb........ cents	11.3	9.8	11.4	13.8	13.4	15.2	15.4	17.0	13.2
Value............ $1,000	49,041	44,798	55,179	68,508	68,252	79,600	84,804	102,120	80,245
Total California									
Fresh .... Mil. Lbs.	303.0	313.0	315.0	302.0	310.0	320.0	349.0	384.0	385.0
Canned....... do.......	650.5	988.0	960.0	890.0	839.0	934.3	892.4	940.2	937.4
Dried .... do	36.0	28.0	32.5	32.5	35.0	41.2	28.6	27.1	44.3
Frozen....... do.......	60.0	80.0	88.5	112.5	118.0	114.5	127.0	149.7	143.3
Other .... do	4.5	14.0	7.5	31.5	59.0	56.0	76.0	54.0	70.0
Total Used..... do.....	1,054.0	1,423.0	1,403.5	1,368.5	1,361.0	1,466.0	1,473.0	1,555.0	1,580.0
Price per lb........ cents	9.4	9.2	10.1	10.4	10.9	12.1	12.5	13.1	11.8
Value............ $1,000	98,561	131,738	142,342	141,882	149,002	177,672	183,672	204,305	185,975
United States									
Fresh .... Mil. Lbs.	967.1	1,287.8	925.6	1,091.0	1,113.5	1,223.3	1,059.6	933.7	1,218.1
Canned....... do.......	675.4	1,028.6	982.6	926.9	877.1	986.0	918.4	960.9	987.1
Dried ...... do	33.0	28.0	32.5	32.5	35.0	41.2	28.6	27.1	44.3
Frozen....... do.......	64.3	89.0	93.3	136.3	145.1	131.9	143.9	168.2	161.6
Other .... do	11.0	35.5	13.2	31.4	68.2	66.1	79.3	49.7	80.7
Total Used..... do.....	1,753.8	2,468.9	2,047.2	2,218.1	2,238.9	2,448.5	2,229.8	2,139.6	2,491.8
Price per lb........ cents	14.4	12.6	14.4	14.0	13.8	15.6	16.4	17.4	15.8
Value............ $1,000	252,969	311,177	293,784	310,805	308,970	382,127	364,867	371,626	392,682

*Preliminary.

PEACHES—UTILIZED PRODUCTION, PRICE, VALUE

State	Utilized Production			Price Per Pound			Value of Utilized Prod.		
	1989	1990	*1991	1989	1990	*1991	1989	1990	*1991
	Million Pounds			Dollars			1,000 Dollars		
Alabama	14.0	12.0	16.0	0.246	0.238	0.213	3,444	2,856	3,408
Arkansas	2.5	18.0	12.0	0.241	0.246	0.250	602	4,435	2,996
California Freestone	549.0	600.0	610.0	0.154	0.170	0.132	84,804	102,120	80,245
Colorado	(a)	16.0	1.7	(a)	0.356	0.380	(a)	5,696	646
Connecticut	3.8	3.5	3.2	0.500	0.470	0.510	1,900	1,645	1,632
Delaware	0.4	0.2	3.0	0.338	0.415	0.285	135	83	855
Georgia	115.0	123.0	140.0	0.202	0.299	0.241	23,260	36,732	33,712
Idaho	3.9	4.1	(a)	0.384	0.217	(a)	1,498	890	(a)
Illinois	12.5	0.3	19.5	0.270	0.343	0.330	3,375	103	6,435
Indiana	4.0	0.8	4.6	0.322	0.341	0.396	1,288	273	1,822
Kansas	2.2	0.1	4.2	0.270	0.230	0.370	594	23	1,554
Kentucky	2.0	(a)	3.7	0.376	(a)	0.350	752	(a)	1,295
Louisiana	1.0	3.7	4.5	0.360	0.340	0.360	360	1,258	1,620
Maryland	7.6	4.0	15.0	0.280	0.327	0.242	2,127	1,309	3,624
Massachusetts	2.1	1.9	1.7	0.500	0.470	0.510	1,050	893	867
Michigan	55.0	45.0	40.0	0.191	0.210	0.174	10,490	9,447	6,978
Mississippi	1.0	n.a.	n.a.	0.400	n.a.	n.a.	400	n.a.	n.a.
Missouri	4.5	0.7	11.0	0.270	0.300	0.230	1,215	210	2,530
New Jersey	65.0	37.5	108.0	0.346	0.409	0.253	22,512	15,324	27,324
New York	12.3	13.7	13.5	0.294	0.276	0.274	3,622	3,781	3,702
North Carolina	12.0	10.0	34.0	0.175	0.270	0.176	2,100	2,700	5,986
Ohio	8.0	5.5	5.8	0.340	0.380	0.400	2,720	2,090	2,320
Oklahoma	24.3	7.7	26.3	0.275	0.363	0.305	6,683	2,795	8,022
Oregon	12.5	14.5	13.0	0.247	0.299	0.356	3,093	4,342	4,624
Pennsylvania	65.0	76.0	90.0	0.258	0.289	0.201	16,799	21,993	18,119
South Carolina	235.0	95.0	240.0	0.200	0.243	0.177	46,974	23,075	42,480
Tennessee	1.2	1.1	5.8	0.369	0.370	0.300	443	407	1,740
Texas	12.5	20.5	25.8	0.400	0.350	0.340	5,000	7,175	8,772
Utah	10.5	11.5	2.5	0.215	0.240	0.340	2,258	2,760	850
Virginia	14.0	2.3	24.0	0.213	0.315	0.191	2,988	725	4,578
Washington	44.0	53.0	30.0	0.255	0.255	0.212	11,212	13,498	6,351
West Virginia	9.0	3.0	13.0	0.256	0.268	0.143	2,301	803	1,865
Total Above	1,305.8	1,184.6	1,521.8	0.204	0.227	0.189	265,999	269,441	286,952
California Clingstone	924.0	955.0	970.0	0.107	0.107	0.109	98,868	102,185	105,730
U.S.	2,229.8	2,139.6	2,491.8	0.164	0.174	0.158	364,867	371,626	392,682

(a) No significant commercial production due to frost. n.a. - Not available. *Preliminary.

PEARS—UTILIZED PRODUCTION, USE, PRICE, VALUE

	1983	1984	1985	1986	1987	1988	1989	1990	*1991
Eastern & Central[1] — All Varieties									
Fresh....1,000 Tons	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Canned.......do	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Dried.......do	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total Used.....do	29.6	34.3	25.5	35.2	26.2	29.7	30.8	21.4	26.0
Price per Ton....Dollars	273.00	247.00	262.00	247.00	269.00	269.00	272.00	285.00	319.00
Value............1,000 $	8,078	8,476	6,671	8,695	7,044	7,992	8,404	6,077	8,300
California — Bartlett									
Fresh....1,000 Tons	44.7	66.3	69.0	70.0	74.5	63.7	64.0	75.0	72.0
Canned†......do	208.8	219.1	204.5	206.0	242.5	219.4	227.3	231.4	218.7
Dried.......do	6.5	4.6	8.5	9.0	8.0	7.9	6.7	7.6	9.3
Total Used.....do	260.0	290.0	282.0	285.0	325.0	291.0	298.0	314.0	300.0
Price per Ton....Dollars	141.00	175.00	233.00	223.00	176.00	238.00	265.00	242.00	252.00
Value............1,000 $	36,665	50,874	65,814	63,445	57,058	69,290	79,040	75,867	75,624

See notes next page.

PEARS—UTILIZED PRODUCTION, USE, PRICE, VALUE—Continued

	1983	1984	1985	1986	1987	1988	1989	1990	*1991
California — Other Varieties									
Fresh.... 1,000 Tons....	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Canned....... do.......	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Dried .... do	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total used ..... do	8.2	10.0	10.5	9.0	12.0	11.0	17.0	18.0	17.0
Price per Ton.... Dollars	331.00	253.00	373.00	522.00	645.00	477.00	365.00	410.00	458.00
Value............ 1,000$	2,717	2,527	3,921	4,695	7,736	5,250	6,210	7,381	7,779
Total California									
Fresh.... 1,000 Tons....	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Canned....... do.......	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Dried .... do	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total Used..... do	268.2	300.0	292.5	294.0	337.0	302.0	315.0	332.0	317.0
Price per Ton.... Dollars	147.00	178.00	238.00	232.00	192.00	247.00	271.00	251.00	263.00
Value............ 1,000$	39,382	53,401	69,735	68,140	64,794	74,540	85,250	83,248	83,403
Washington — Bartlett									
Fresh.... 1,000 Tons....	56.4	24.5	33.3	39.5	56.0	42.0	41.0	43.0	44.5
Canned† ...... do......	84.4	76.5	77.7	86.5	115.0	105.0	116.0	134.0	115.5
Dried .... do	†	†	†	†	†	†	†	†	†
Total used ..... do	140.8	101.0	111.0	126.0	171.0	147.0	157.0	177.0	160.0
Price per Ton.... Dollars	180.00	218.00	248.00	225.00	189.00	244.00	258.00	248.00	267.00
Value............ 1,000$	25,325	21,996	27,484	28,352	32,322	35,868	40,430	43,812	42,767
Washington — Other Varieties									
Fresh.... 1,000 Tons....	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Canned....... do.......	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Dried .... do	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total used ..... do	138.0	103.0	114.0	140.0	165.0	163.0	192.0	195.0	180.0
Price per Ton.... Dollars	171.00	325.00	365.00	339.00	215.00	335.00	336.00	371.00	414.00
Value............ 1,000$	23,648	33,432	41,642	47,480	35,395	54,618	64,596	72,411	74,580
Total Washington									
Fresh.... 1,000 Tons....	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Canned† ...... do......	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Dried .... do	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total used ..... do	278.8	204.0	225.0	266.0	336.0	310.0	349.0	372.0	340.0
Price per Ton.... Dollars	176.00	272.00	307.00	285.00	202.00	292.00	301.00	312.00	345.00
Value............ 1,000$	48,973	55,428	69,126	75,832	67,717	90,486	105,026	116,223	117,347
Oregon — Bartlett									
Fresh.... 1,000 Tons....	22.0	12.7	17.0	19.0	23.0	15.5	20.5	24.0	22.0
Canned† ...... do......	41.0	31.3	58.0	31.0	55.0	52.5	46.5	59.0	48.0
Dried .... do	†	†	†	†	†	†	†	†	†
Total Used..... do	63.0	44.0	75.0	50.0	78.0	68.0	67.0	83.0	70.0
Price per Ton.... Dollars	149.00	217.00	230.00	243.00	183.00	253.00	263.00	244.00	256.00
Value............ 1,000$	9,400	9,569	17,282	12,161	14,255	17,223	17,600	20,238	17,930
Oregon — Other Varieties									
Fresh.... 1,000 Tons....	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Canned† ...... do......	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Dried .... do	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total Used..... do	125.0	106.0	118.0	112.0	150.0	145.0	148.0	150.0	150.0
Price per Ton.... Dollars	188.00	288.00	302.00	331.00	197.00	300.00	237.00	279.00	327.00
Value............ 1,000$	23,473	30,542	35,588	37,036	29,613	43,486	35,090	41,850	49,095
Total Oregon									
Fresh.... 1,000 Tons....	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Canned† ...... do......	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Dried .... do	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total Used..... do	188.0	150.0	193.0	162.0	228.0	213.0	215.0	233.0	220.0
Price per Ton.... Dollars	175.00	267.00	274.00	304.00	192.00	285.00	245.00	266.00	305.00
Value............ 1,000$	32,873	40,111	52,870	49,197	43,868	60,709	52,690	62,088	67,025
Total Western[4]									
Fresh.... 1,000 Tons....	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Canned....... do.......	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Dried .... do	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total Used..... do	743.8	661.6	718.9	726.0	909.9	830.7	885.6	942.3	882.3
Price per Ton.... Dollars	166.00	228.00	270.00	268.00	196.00	274.00	277.00	280.00	306.00
Value............ 1,000$	123,154	150,853	193,760	194,418	178,333	227,431	245,198	263,464	269,668
United States									
Fresh.... 1,000 Tons....	382.8	322.8	347.1	376.2	454.8	427.1	454.2	467.3	466.5
Canned† ...... do......	390.6	373.2	397.3	384.9	481.2	433.3	462.2	496.4	441.8
Dried .... do	†	†	†	†	†	†	†	†	†
Total Used..... do	773.4	696.0	744.4	761.2	936.1	860.4	916.4	963.6	908.4
Price per Ton.... Dollars	170.00	229.00	269.00	267.00	198.00	274.00	277.00	280.00	306.00
Value............ 1,000$	131,232	159,329	200,431	203,113	185,377	235,423	253,602	269,541	277,968

[1] Includes Conn., N.Y., Pa., and Mich. † Some quantities otherwise processed may be included with canned to avoid disclosure of individual operations. [4] Includes Colo., Utah, Wash., Ore., Calif. *Preliminary.

THE ALMANAC

OF THE CANNING, FREEZING, PRESERVING INDUSTRIES

Section VIII

U. S. PACK STATISTICS

The canned fruit and vegetable packs published herein are taken from reports of the Nat'l Food Processors Assn. and represent packs of all known Canners of the products.

GLASS - Although the pack in glass containers has been reported separately wherever feasible, it has been combined, in most instances, with that of tin containers of the same approximate size. When tin and glass are combined, or when two or more container sizes are combined, the order of listing indicates the relative importance of each.

The Frozen Food pack statistics were compiled by the American Frozen Food Institute. Data represent only the commercial pack and do not include production in frozen food locker plants nor custom freezing for industrial users.

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*Pack Figures for recent years not available.

CANNED VEGETABLE PACKS

Source: California League of Food Processors; National Food Processors Association; National Kraut Packers Association. With Permission.

REGIONAL DEFINITIONS - With the 1984 pack reports NFPA established the following regional definitions for all NFPA statistical reports (and adjusted 1982 and 1983 figures accordingly):

EAST - ME, NH, VT, MA, CT, RI, NY, PA, NJ, DE, MD, VA, WV

SOUTH - NC, SC, GA, FL, AL, MS, TN, AR, LA, OK, TX, KY

MIDWEST - OH, IN, MI, IL, WI, MN, IA, MO, ND, SD, NE, KS

WEST - WA, OR, CA, ID, NV, MT, WY, UT, CO, AZ, AK, NM, HI

The uninitiated will no longer be able to determine the major packing states of a specific commodity from these tables. To make this determination, Almanac users are referred to Section VII "Raw Product Statistics".

SUMMARY OF CANNED VEGETABLE PACKS

Thousands of Cases, basis 24 No. 303 Cans. Figures Rounded — Season beginning year shown.

	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Asparagus.......	2,844	2,727	2,549	2,928	3,097	3,154	3,361	3,846	3,060	D
Beans, green (a)...	49,797	46,335	44,227	49,566	53,229	47,003	54,138	45,539	58,678	†55,785
Beans, wax (a)...	3,012	2,496	2,279	2,523	2,274	1,935	1,943	1,071	1,616	†2,239
Beans, Lima.....	2,602	2,275	2,338	2,316	1,966	1,738	1,329	1,267	1,586	D
Beets...........	9,657	10,868	9,039	9,292	9,386	9,042	12,127	8,519	†9,175	D
Carrots..........	5,251	5,932	4,695	5,100	4,486	4,344	5,196	5,090	†3,273	D
Carrots & Peas (b).	1,360	D	D	D	D	D	D	D	D	D
Corn, sweet......	57,949	60,522	51,595	56,879	55,729	55,090	59,177	50,831	65,437	62,216
Leafy greens.....	2,120	1,584	D	D	D	D	D	D	D	D
Okra,Okra & Tom. (b)	264	359	D	D	D	D	D	D	D	D
Peas, field (b)....	2,895	1,998	D	D	D	D	D	D	D	D
Peas, green......	27,296	24,790	20,827	23,312	29,306	20,919	23,057	12,494	24,336	24,298
Pimientos (b)....	608	756	D	D	D	D	D	D	D	D
Potatoes, swt....	7,955	7,049	5,315	5,283	6,149	7,469	6,055	5,850	D	D
Potatoes, wht....	7,103	5,714	D	D	D	D	D	D	D	D
Pump. & Sq. (b)...	3,975	4,404	D	D	D	D	D	D	D	D
Sauerkraut......	8,686	8,417	5,844	7,011	7,687	7,719	6,985	7,024	7,821	7,899
Spinach.........	5,458	D	D	D	D	D	D	D	D	D
Succotash (b)....	777	D	D	D	D	D	D	D	D	D
Tomatoes (b).....	38,325	43,286	37,597	43,170	37,485	38,955	44,634	50,626	D	D
Tomatoes, Calif. Conc. Crushed...	13,612	19,803	23,964	23,206	22,100	24,193	28,603	D	D	D
T. Juice.........	17,507	23,955	D	D	D	D	D	D	D	D
T. Chili Sc........	1,680	1,826	1,665	1,965	2,086	2,326	1,622	D	D	D
T. Puree.........	6,900	9,788	8,703	(d)	(d)	(d)	(d)	D	D	D
Total Basis 303's.	277,633	284,884	220,637	232,551	234,980	223,887	248,227	192,157		
Total Basis 2's...	228,214	234,175	181,364	191,157	193,154	184,035	204,043	157,953		
Total actual cases.	248,611	248,882	191,396	204,222	207,450	197,483	217,794	172,792		
# Products in tota.	25	22	14	13	13	13	13	11		

(D) Reports discontinued. (a) Calendar year pack thru 1985. (b) Calendar year pack. (d) Total U.S. figure discontinued, 303 conversion for Calif. not available. P - Data not available at press time. † Pack 6/1 to 11/1 for beans; and 7/1 thru 11/1 for beets and carrots. Reports for green & wax beans have been discontinued.

14th Biennial Edition

THE 1992-93 DIRECTORY OF THE CANNING, FREEZING, PRESERVING INDUSTRIES

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ASPARAGUS PACKS IN THE UNITED STATES†

Source: National Food Processors Association. With Permission.

Thousands of Cases, basis 24 No. 303 Cans.

1940	3,974	1947	4,677	1954	6,073	1961	8,357	1968	6,925	1975	3,551
1941	3,907	1948	4,417	1955	7,623	1962	9,053	1969	6,817	1976	3,609
1942	5,138	1949	5,390	1956	6,615	1963	9,263	1970	5,913	1977	3,705
1943	4,710	1950	5,531	1957	7,093	1964	8,217	1971	5,542	1978	3,382
1944	5,114	1951	5,850	1958	7,540	1965	7,208	1972	5,860	1979	2,819
1945	5,302	1952	5,312	1959	7,086	1966	7,896	1973	5,794	1980	2,535
1946	5,583	1953	4,902	1960	7,971	1967	6,638	1974	5,643	1981	2,844

† Green asparagus only beginning in 1971.

GREEN ASPARAGUS PACKS BY SIZE OF CONTAINER

(Thousands of Actual Cases—Figures Rounded—Season beginning March 1 of Year Shown)

Units per case & Sz. of Cont.	1980	1981	1982	1983	1984	1985	*1986	*1987	*1988	*1989
24/8Z	248	190	(c)	(c)	(c)	(c)	240	163	191	141
48/1 Pic	312	265	348	298	313	(c)	(c)	(c)	(c)	(c)
24/300-300 cyl.	1.775	1,935	1,673	1,510	1,870	2,071	2,075	2,229	2,602	2,345
24/15z	145	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6/5 Squat	76	(b)	(b)	(b)	(b)	50	(b)	(c)	(c)	(c)
6/10	104	127	159	219	217	36	54	103	101	53
Misc. T&G	13	16	261	238	149	595	830	848	870	1,112
Total Act. Cs	2,673	2,533	2,441	2,265	2,548	2,752	3,199	3,342	3,764	3,652
Total bas. 303's	2,535	2,844	2,727	2,549	2,928	3,097	3,154	3,361	3,846	3,060

(a) Included in 24/300. (b) Included in 6/10. (c) Included in Misc. (24/10½ & 12/12½-13).

GREEN ASPARAGUS PACKS BY STATE & STYLE

(Thousands of Actual Cases—Figures Rounded—Season Beginning March of Year Shown)

BY STATE	1980	1981	1982	1983	1984	1985	*1986	*1987	*1988	*1989
East	(a)	(a)	(a)	(a)	(a)	0	(a)	(a)	(a)	(a)
Illinois	(a)	(a)	(a)	(a)	(b)	(b)	(a)	(b)	(b)	(b)
Michigan	638	553	640	777	(b)	(b)	(a)	(b)	(b)	(b)
Midwest	.....	.....	.....	.....	1,137	1,054	(a)	1,175	1,324	1,194
Wash. & Ore.	1,253	1,377	1,355	1.146	(c)	(c)	(a)	(a)	(a)	(a)
California	(a)	(a)	(a)	(a)	(c)	(c)	(a)	(a)	(a)	(a)
West	.....	.....	.....	.....	1,392	1,698	(a)	(a)	(a)	(a)
Other	415	603	446	342	19	(b)	3,199	2,167	2,440	2,458
Total	2,673	2,533	2,441	2,265	2,548	2,752	3,199	3,342	3,764	(d)3,652

(a) In "Other". (b) In Midwest. (c) In West. (d) Includes 1,877,000 cases of "cuts".

ASPARAGUS CARRYOVER—PACK—STOCK—SHIPMENTS

(Thousands of Actual Cases—Figures Rounded—Season Beginning Year Shown)

	1980	1981	1982	1983	1984	1985	*1986	*1987	*1988	*1989
Carryover 3/1	1,093	707	594	797	685	673	885	795	1,011	1,300
Pack	2,673	2,533	2,441	2,265	2,548	2,752	3,199	3,342	3,764	3,652
Tot. Cner. Sup	3,766	3,240	3,036	3,063	3,233	3,425	4,084	4,137	4,776	4,952
CANNERS STOCKS										
Jan. 1	1,243	993	1,149	1,070	1,068	1,272	1,400	1,581	1,745	D
March 1	707	594	797	685	673	785	795	1,011	(r)1,300	D
CANNER SHIPMENTS										
Mar. 1 to Jan. 1	2,523	2,248	1,887	1,993	2,165	2,153	2,684	2,556	3,030	D
Jan. 1 to Mar. 1	536	398	352	385	396	487	606	570	(r)445	D
Mar. 1 to Mar. 1	3,059	2,646	2,238	2,378	2,561	2,640	3,290	3,126	(r)3,476	D
EXPORTS**	188	205	112	99	89	65	58	69	150	129
GOV. PURCHASES**										
Armed Forces	26.8	.....	37.8	23.3	43.2	21.4	18.3	11.1	27.9	n.a.
USDA	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Vet. Adm.	21.0	18.0	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

*Beginning 1986 data includes product packed in the No. 1 Picnic (211 x 400) reported on the basis of 24 cans per case. Prior years No. 1 Picnic reported basis 48 cans per case. **ALL REPORTS DISCONTINUED AFTER 1989 PACK YEAR.** **Basis 1,000 cases 24/303, season beginning year shown. Calendar year for exports. n.a. - Not available. (r) Revised. D - Reports discontinued.

GREEN BEAN PACKS IN THE UNITED STATES

Source: National Food Processors Association. With Permission.

Thousands of Cases, basis 24 No. 303 Cans - Calendar Year.

1926	4,157	1935	7,358	1944	20,307	1953	23,902	1962	32,601	1971	45,213
1927	4,924	1936	6,924	1945	19,534	1954	29,137	1963	34,049	1972	44,383
1928	6,377	1937	10,591	1946	20,077	1955	25,521	1964	33,087	1973	50,887
1929	8,839	1938	1,111	1947	13,296	1956	25,598	1965	41,024	1974	57,971
1930	8,222	1939	8,953	1948	15,477	1957	27,292	1966	36,564	1975	51,466
1931	5,943	1940	10,406	1949	22,142	1958	29,118	1967	48,150	1976	44,027
1932	4,191	1941	14,241	1950	23,212	1959	27,473	1968	47,136	1977	50,952
1933	5,910	1942	26,374	1951	20,797	1960	29,292	1969	42,481	1978	53,229
1934	6,292	1943	25,203	1952	16,848	1961	36,107	1970	43,189	1979	62,624
										1980	54,769

GREEN BEAN PACKS BY REGION

(Thousands of Actual Cases. — Figures Rounded — Calendar Year thru 1985)

REGION*	1981	1982	1983	1984	1985	*1986	*1987	*1988	*1989	[1]1990
East	6,625	7,925	5,753	5,267	5,986	4,547	5,143	3,835	[1]5,449	5,286
Midwest	26,059	25,559	25,263	28,613	31,704	27,948	33,819	27,585	[1]35,174	33,969
South	5,088	3,021	3,423	4,343	3,590	(c)	(c)	(c)	(c)	(c)
West	7,467	5,940	5,910	6,192	6,392	10,284	10,535	10,440	[1]12,467	12,438
Tot. actual cses	45,240	42,446	40,348	44,415	47,673	42,779	49,498	41,859	53,595	51,692
Tot. basis 303's	49,797	46,335	44,227	49,566	53,229	47,003	54,138	45,539	58,678	55,785

GREEN BEAN PACKS BY SIZE OF CONTAINER

(Thousands of Actual Cases—Figures Rounded—Calendar Year thru 1985)

Units per Case & Size of Cont.	1981	1982	1983	1984	1985	*1986	*1987	*1988	*1989	[1]1990
24/8Z	2,763	3,176	3,149	3,473	2,575	2,425	2,727	2,732	3,252	2,794
24/300-303	32,703	30,432	28,302	29,685	33,980	31,502	36,826	30,760	38,307	38,617
24/2½	1,092	(b)	440	(b)	(b)	(b)	(b)	(b)	(b)	(b)
6/10	8,120	7,665	8,134	9,935	10,102	8,001	8,847	7,201	10,546	8,969
Misc. Tin & Gl	561	1,173	323	1,321	1,015	852	1,098	1,166	1,490	1,313
Total	45,240	42,446	40,348	44,415	47,673	42,779	49,498	41,859	53,595	51,692

GREEN BEAN PACKS BY STYLE AND QUALITY

(Thousands of Actual Cases—Figures Rounded—Calendar Year thru 1986)

	1981	1982	1983	1984	1985	1986	*1987	*1988	*1989	[1]1990
Whole	1,537	1,889	1,318	1,750	1,972	1,346	1,709	1,473	1,799	1,542
Fr. Style	9,401	10,495	9,590	9,761	10,577	9,977	11,745	9,717	11,872	11,661
Fancy Cut	22,786	20,532	19,309	22,279	24,753	22,862	26,562	21,417	29,041	27,894
Ex. Std. Cut	8,986	6,633	7,452	7,979	8,053	6,260	7,555	7,491	9,010	8,841
Std. cut	2,530	2,898	2,679	2,645	2,317	2,252	1,926	1,762	1,874	1,755
Total	45,240	42,446	40,348	44,415	47,673	42,698	49,498	41,859	53,595	51,692

WAX BEAN PACKS IN THE UNITED STATES

Thousands of Cases, basis 24 No. 303 Cans. Calendar Year.

1926	769	1935	1,379	1944	1,893	1953	3,683	1962	4,265	1971	4,797
1927	780	1936	1,164	1945	1,651	1954	3,887	1963	3,618	1972	3,173
1928	1,206	1937	1,672	1946	2,300	1955	2,992	1964	3,745	1973	4,115
1929	1,562	1938	220	1947	2,675	1956	3,660	1965	4,603	1974	4,348
1930	1,844	1939	140	1948	3,035	1957	4,628	1966	3,972	1975	3,924
1931	1,459	1940	1,548	1949	3,047	1958	3,117	1967	5,023	1976	3,394
1932	717	1941	2,061	1950	2,358	1959	3,426	1968	4,706	1977	3,541
1933	839	1942	2,650	1951	2,920	1960	3,862	1969	4,858	1978	3,892
1934	1,395	1943	2,751	1952	3,094	1961	4,056	1970	4,382	1979	3,657
										1980	3,384

WAX BEAN PACKS BY REGION

(Thousands of Actual Cases.—Figures Rounded—Calendar Year thru 1985)

REGION*	1981	1982	1983	1984	1985	*1986	*1987	*1988	*1989	[1]1990
East	875	852	615	730	703	543	403	275	342	567
Midwest	1,608	1,088	1,110	1,282	1,037	889	1,185	542	897	1,195
South	0	215	160	145	194	183	n.a.	n.a.	n.a.	n.a.
West	166	(a)	(a)	(a)	(a)	(a)	n.a.	n.a.	n.a.	n.a.
Tot Actual Cses	2,648	2,155	1,886	2,157	1,934	1,615	1,636	912	1,344	1,917
Tot Basis 303	3,012	2,496	2,279	2,523	2,274	1,935	1,943	1,071	1,616	2,239

*Seasonal packs 6/1 to 5/31 beginning year shown and therefore not strictly comparable with prior years. (a) Included in South. (b) Included in Misc. (c) Included in West. n.a. - Not available. [1] Represents pack from June 1 to November 1 only. Regional Green Bean data for complete 1989 season not available. **ALL DATA REPORTS DISCONTINUED IN 1991.**

WAX BEAN PACKS BY SIZE OF CONTAINER

(Thousands of Actual Cases—Figures Rounded—Calendar Year thru 1985)

Units to Case & Size of Cont.	1981	1982	1983	1984	1985	*1986	*1987	*1988	*1989	[1]1990
24/8Z	213	215	115	175	170	138	145	70	116	201
24/300-303	1,688	1,226	1,046	1,259	1,096	856	886	533	699	1,041
6/10	742	714	720	723	624	621	605	309	529	674
Misc. Tin & Gl.	5	.....	4	.....	44	.....	.....	.....	.....	.....
Total	2,648	2,155	1,885	2,157	1,934	1,615	1,636	912	1,344	1,917

WAX BEAN PACKS BY STYLE & QUALITY

(Thousands of Actual Cases—Figures Rounded—Calendar Year thru 1985)

	1981	1982	1983	1984	1985	*1986	*1987	*1988	*1989	[1]1990
Whole	38	11	12	38	8	5	7	n.a.	n.a.	n.a.
Fr. Style	131	102	70	98	110	89	14	n.a.	n.a.	n.a.
Fancy Cut	1,686	1,403	1,044	1,313	1,277	1,022	1,189	638	990	1,404
Ex. Std. Cut	675	480	596	554	391	394	356	227	276	418
Std. Cut	118	159	164	153	148	104	70	35	n.a.	67
Total	2,648	2,155	1,885	2,157	1,934	1,615	1,636	912	1,344	1,917

*Seasonal Packs 6/1 thru 5/31 beginning year shown and therefore not strictly comparable with prior years. [1]Represents pack from 6/1 to 11/1 only. **ALL DATA REPORTS DISCONTINUED IN 1991.** n.a. - Not available.

GREEN & WAX BEANS—CARRYOVER, PACK, STOCKS, SHIPMENTS

Source: National Food Processors Association. With Permission.

(Thousands of Actual Cases—Figures Rounded—Season beginning year shown)
Entire table revised with The 1988 Almanac to change carryover from 7/1 to 6/1.

	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Carryover 6/1	14,222	12,543	9,952	5,724	7,220	11,268	7,045	8,231	4,863	8,750
Pack 6/1 to 11/1	47,711	44,529	42,049	46,114	49,480	44,046	50,915	42,161	54,434	53,610
Pack 11/1 to 6/1	176	73	401	369	.....	348	219	610	505	D
Pack 6/1 to 6/1	47,887	44,602	42,450	46,483	49,480	44,394	51,134	42,772	54,939	D
Canner Supply	62,109	57,145	52,402	52,207	56,700	55,662	58,178	51,002	59,802	†62,360
CANNER SHIPMENTS										
6/1 to 11/1	19,216	17,989	20,254	18,548	18,728	20,667	19,803	19,223	21,356	20,770
November								4,448	5,013	D
December	8,169	8,465	7,142	6,929	7,662	7,904	8,687	3,532	2,567	D
January	4,950	4,414	4,454	4,772	4,140	5,478	5,116	6,445	D	D
February	4,101	4,195	4,258	4,308	3,758	4,042	5,108	3,972	D	D
March	4,970	4,207	3,459	3,794	3,991	3,676	4,441	3,438	D	D
April	3,649	3,666	3,475	3,212	3,391	3,455	3,513	2,512	D	D
May	4,601	4,168	3,636	3,424	3,763	3,394	3,278	2,568	D	D
6/1 to 6/1	49,656	47,103	46,678	44,987	45,432	48,617	49,948	46,139	51,052	D
CANNER STOCKS*										
November 1	42,717	38,993	31,747	33,290	37,972	34,647	38,157	31,169	37,941	41,590
December 1	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	26,721	32,928	D
January 1	34,548	30,528	24,605	26,361	30,310	26,743	29,470	23,189	30,360	D
February 1	29,597	26,114	20,151	21,589	26,170	21,264	24,353	16,743	D	D
March 1	25,497	21,919	15,893	17,281	22,412	17,222	19,246	12,771	D	D
April 1	20,526	17,712	12,434	13,487	18,421	13,547	14,804	9,333	D	D
May 1	16,878	14,047	8,959	10,275	15,031	10,092	11,291	6,821	D	D
June 1	12,453	9,952	5,724	7,220	11,268	7,045	8,231	4,863	8,750	D
EXPORTS**	876	1,047	651	663	635	718	597	692	605	471
GOV. PURCHASES**										
Armed Forces	340.4	357.7	421.7	263.9	399.3	233.1	305.5	154.2	n.a.	175.5
USDA	1,121.9	1,096.9	913.8	1,099.1	882	988.7	838.1	110.6	[1]1,880	[1]1,421
Vet. Adm.	72.7	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

*Figures reflect Spring pack as reported. †Supply to 11/1/90. P - Not available at press time. n.a. - Not available. (a) Included in May. **Basis 1,000 24/303. Season beginning year shown. Calendar year for Exports. D - Discontinued. Reports discontinued completely in 1991. [1]July 1 thru June 30 beginning year shown.

FRESH LIMA BEAN PACKS IN THE UNITED STATES

Source: National Food Processors Association. With Permission.

Thousands of Cases, basis No. 303 Cans. To convert to 2's, multiply by .822

Year	Cases	Year	Cases	Year	Cases	Year	Cases	Year	Cases	Year	Cases
1934	1,609	1942	3,083	1950	3,940	1958	3,005	1966	3,531	1974	2,523
1935	1,447	1943	2,292	1951	3,599	1959	3,282	1967	3,963	1975	3,729
1936	1,892	1944	2,009	1952	2,826	1960	2,754	1968	3,818	1976	2,812
1937	1,845	1945	1,928	1953	3,764	1961	4,250	1969	3,596	1977	2,657
1938	2,343	1946	2,131	1954	4,294	1962	3,615	1970	2,776	1978	3,356
1939	2,441	1947	2,689	1955	3,424	1963	3,089	1971	3,116	1979	3,061
1940	2,430	1948	3,021	1956	4,142	1964	2,213	1972	2,116	1980	2,833
1941	2,912	1949	5,332	1957	3,071	1965	2,981	1973	3,150	1981	2,602

FRESH LIMA BEAN PACKS BY SIZE OF CONTAINER AND REGION*

(Thousands of Actual Cases—Figures Rounded, Season beginning Year Shown)

Units to Case & Size of Container	1980	1981	1982	1983	1984	1985	1986	1987	1988	D1989
24/8Z	621	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(b)
24/300-303	1,791	1,711	1,356	1,349	1,454	1,221	1,150	842	815	1,352
6/10	445	398	452	468	412	324	248	185	180	249
Misc. Tin & Gl	2	478	351	438	375	424	352	359	311	.....
East[1]	652	571	593	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Midwest	(a)	(a)	615	382	526	523	486	497	347	654
Other	2,205	2,016	952	1,873	1,715	1,446	1,265	889	959	947
Tot. Act. Cs.	2,858	2,587	2,160	2,255	2,241	1,969	1,751	1,386	1,306	1,601
Tot. 24/303	2,833	2,602	2,275	2,338	2,316	1,966	1,738	1,329	1,267	1,586

*Regional figures revised in 1985 Almanac. [1] Del., Md., N.Y., Pa. thru 1981. For description of all regions 1982 and after see Regional Definitions in box at beginning of this Section VIII. (b) Included with 24/300-303. (a) Included with Misc. or Other. D - Reports discontinued completely in 1990.

FRESH LIMA BEAN PACKS BY STYLE

(Thousands of Actual Cases—Figures Rounded, Season Beginning Year Shown)

— Data discontinued in 1984 —

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Green Limas										
Midget & Tiny	206	133	185	228	187	170	222	209	192	n.a.
Small	609	484	422	551	497	469	446	452	412	n.a.
Medium	584	521	486	327	432	477	474	465	484	n.a.
Mixed	1,937	1,368	1,374	1,939	1,493	1,447	1,265	891	1,100	n.a.
Green & White	81	133	41	70	192	192	65	70	66	n.a.
Fordhooks	215	172	161	182	205	102	114	72	0	n.a.
Total	3,631	2,811	2,669	3,298	3,007	2,858	2,587	2,160	2,255	2,241

LIMA BEANS CARRYOVER—PACK—STOCKS—SHIPMENTS

(Thousands of Actual Cases—Figures Rounded. Season beginning year shown)

	1980	1981	1982	1983	1984	1985	1986	1987	1988	D1989
Carryover 6/1	869	841	852	537	474	536	654	714	462	n.p.
Pack	2,858	2,587	2,160	2,255	2,241	1,969	1,751	1,386	1,306	1,601
Canner Supply	3,727	3,428	3,012	2,792	2,715	2,505	2,404	2,099	1,768	n.p.
CANNER SHIPMENTS										
June 1 to Nov. 1	1,239	1,031	1,003	1,017	931	751	762	649	n.p.	n.p.
Nov. 1 to Jan. 1	422	424	488	397	341	323	212	211	n.p.	n.p.
Jan. 1 to Mar. 1	1,224	1,121	983	905	476	361	336	362	n.p.	D
Mar. 1 to June 1					430	416	381	416	n.p.	D
June 1 to June 1	2,885	2,576	2,474	2,319	2,178	1,851	1,691	1,638	n.p.	D
CANNER STOCKS										
November 1	2,487	2,396	2,008	1,775	1,784	1,754	1,642	1,450	n.p.	1,258
January 1	2,065	1,973	1,520	1,379	1,442	1,431	1,430	1,239	n.p.	1,051
March 1	n.a.	n.a.	n.a.	n.a.	966	1,070	1,095	878	n.p.	D
April 1	1,244	1,234	882	794	822	927	985	711	n.p.	D
June 1	841	852	537	474	536	654	714	462	n.p.	D
GOV. PURCHASES**										
Armed Forces	91.5	91.9	72.7	81.7	55.1	73.1	32.5	37.0	73.5	n.a.
U.S.D.A.	....	....	....	28.5	21.4	25.0	7.5	n.a.	n.a.	n.a.
Vet. Admin.	6.4	7.6	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

**Basis 1,000 cases 24/303's, Pack year. P - Not available at press time. n.a. - Not available. (a) Included in Misc. or Other. n.p. - Not published in order to avoid possible disclosure of individual operations. D - Discontinued. Reports discontinued completely in 1990.

BEET PACKS IN THE UNITED STATES*

Source: National Food Processors Association. With Permission.

Thousands of Cases, basis 24 No. 303 Cans. To convert to 2's, multiply by .822

1909 264
1914 525
1919 1,219
1921 815
1923 1,136
1925 2,532
1926 1,505
1927 1,378
1928 1,578
1929 2,445
1930 3,566
1931 1,969
1932 1,274
1933 1,483
1934 2,679
1935 3,003
1936 3,038
1937 3,917
1938 3,875
1939 2,771
1940 4,538
1941 8,986
1942 8,181
1943 7,392
1944 9,624
1945 11,162
1946 8,593
1947 4,126
1948 5,421
1949 8,955
1950 9,947
1951 9,189
1952 8,165
1953 10,471
1954 8,615
1955 9,198
1956 11,822
1957 10,194
1958 9,598
1959 9,651
1960 8,847
1961 10,646
1962 12,594
1963 12,665
1964 10,709
1965 10,007
1966 11,382
1967 11,785
1968 14,597
1969 11,339
1970 11,310
1971 10,430
1972 10,025
1973 10,881
1974 15,084
1975 13,130
1976 9,201
1977 11,289
1978 12,973
1979 15,103

BEET PACKS BY REGION*

Thousands of Actual Cases. Figures Rounded—Season beginning July 1

REGION	1980	1981	1982	1983	1984	1985	1986	1987	1988	†1989
East	[1]3,561	3,136	3,524	(b)	(b)	(b)	(b)	(b)	(b)	n.a.
Midwest	[2]4,710	3,885	4,898	4,307	4,263	3,835	4,614	6,502	4,073	n.a.
South	.....	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	n.a.
West	[3]2,154	2,088	1,814	3,857	4,240	4,872	3,995	4,679	3,898	n.a.
Tot. Act. Cs.	10,425	9,110	10,236	8,163	8,503	8,707	8,609	11,181	7,971	8,536
Tot. 24/303	10,878	9,657	10,868	9,039	9,292	9,386	9,042	12,127	8,519	9,175

BEET PACKS BY SIZE OF CONTAINER AND STYLE*

Thousands of Actual Cases—Figures Rounded—Season beginning July 1

Units per Case & Size of Container	1980	1981	1982	1983	1984	1985	1986	1987	1988	†1989
24/8 oz	1,000	1,052	1,199	787	893	986	1,028	1,148	825	914
12/16 oz.	1,637	1,415	1,313	1,019	1,377	1,255	1,420	1,619	1,235	1,208
24/300-303	4,971	3,811	4,723	3,523	3,169	3,603	3,529	4,723	3,400	3,662
6/10	2,817	2,832	3,001	2,834	3,064	2,863	2,633	3,692	2,512	2,751
Misc. Tin & Gl.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	10,425	9,110	10,236	8,163	8,503	8,707	8,609	11,181	7,971	8,536
BY STYLE										
Whole	1,594	1,355	1,515	1,264	1,130	1,205	1,304	1,403	1,130	n.a.
Cuts & Sections	927	649	670	437	547	625	520	831	451	n.a.
Sliced & Salad	6,616	5,601	6,773	5,573	5,868	5,773	5,856	7,570	5,397	n.a.
Diced	813	879	757	563	567	639	558	810	587	n.a.
French Style	382	535	427	269	331	374	246	359	278	n.a.
Irreg. Pieces	93	91	93	57	59	91	126	207	127	n.a.

CARROT PACKS IN THE UNITED STATES

Source: National Food Processors Association. With Permission.

Thousands of Cases, basis 24 No. 303 Cans. Season beginning March 1 of year stated, July 1 beginning 1965

1931 303
1933 734
1935 1,129
1937 1,158
1938 858
1939 1,476
1940 1,751
1941 2,511
1942 2,785
1943 2,908
1944 3,820
1945 4,939
1946 4,572
1947 1,191
1948 3,738
1949 2,184
1950 2,280
1951 2,656
1952 3,382
1953 3,351
1954 2,557
1955 2,237
1956 3,752
1957 2,912
1958 3,858
1959 3,504
1960 5,043
1961 3,939
1962 5,085
1963 5,100
1964 4,471
1965 4,516
1966 7,064
1967 5,546
1968 5,122
1969 5,463
1970 5,388
1971 5,310
1972 5,529
1973 6,391
1974 6,914
1975 4,717
1976 5,221
1977 6,586
1978 6,250
1979 7,267
1980 4,365
1981 5,251

CARROT PACKS BY REGION

Thousands of Actual Cases. Figures Rounded—Season Beginning July 1

REGION	1980	1981	1982	1983	1984	1985	1986	1987	1988	†1989
East	[1]828	1,093	992	(b)	(b)	n.a.	n.a.	n.a.	n.a.	n.a.
Midwest	[2]2,410	2,515	3,028	2,156	2,296	2,393	2,308	2,909	2,406	n.a.
South	(a)	(a)	(a)	539	735	n.a.	n.a.	n.a.	n.a.	n.a.
West	[3]545	913	1,082	1,344	1,399	n.a.	n.a.	n.a.	n.a.	n.a.
Tot. Act. Cs.	3,783	4,522	5,102	4,039	4,431	3,892	3,756	4,470	4,430	2,899
Tot. 24/303	4,365	5,251	5,932	4,695	5,100	4,486	4,344	5,196	5,090	3,273

*Beet packs include pickled, spiced and harvard. [1] Del., N.Y., Pa. [2] Ind., Mich., Tex., Wis. [3] Cal., Col., Ore., Utah, Wash. All figures 1981 and thereafter comply with NFPA "Regional Definitions" at beginning of this Section VIII. (a) In Midwest. (b) In West. n.a. - Not available. † Pack 7/1 through 11/1/89. Reports discontinued completely in 1990.

CARROT PACKS BY SIZE OF CONTAINER AND STYLE

Thousands of Actual Cases—Figures Rounded—Season beginning July 1

	1980	1981	1982	1983	1984	1985	1986	1987	1988	*1989
24/8 oz	428	590	680	(a)	546	474	428	524	493	320
24/303 & 300	2,088	2,302	2,561	2,050	2,384	2,098	2,052	2,373	2,494	1,709
6/10	1,267	1,630	1,861	1,451	1,500	1,321	1,276	1,573	1,443	870
Misc.	.....	281	.....	538	.....	.....	.....	.....	.....	.....
Total	3,783	4,522	5,102	4,039	4,431	3,892	3,756	4,470	4,430	*2,899
BY STYLE										
Whole	510	514	504	n.a.	805	458	441	563	526	n.a.
Cut & Sections	25	10	22	n.a.	17	18	n.a.	n.a.	n.a.	n.a.
Sliced	2,695	3,102	3,716	n.a.	2,887	2,714	2,752	3,296	3,397	n.a.
Diced	490	779	(a)	n.a.	637	553	499	534	434	n.a.
Shoestring	50	102	77	n.a.	46	84	42	n.a.	42	n.a.
Irreg. Pieces	12	14	782	n.a.	39	65	n.a.	19	n.a.	n.a.

(a) Included in "Misc." or "Irreg. Pieces". n.a. - Not available. *Pack 7/1 to 11/1/89. Comparable 1988 period pack 2,403; 1987-3,139. Reports discontinued completely in 1990.

CORN PACKS IN THE UNITED STATES

Source: National Food Processors Association. With Permission.

Thousands of Cases, basis 24 No. 303 Cans. To convert to 2's, multiply by .822

1905.... 15,883	1917.... 13,180	1929.... 21,334	1941.... 31,853	1953.... 37,798	1966.... 45,525
1906.... 11,147	1918.... 14,301	1930.... 19,144	1942.... 39,184	1954.... 37,355	1967.... 49,268
1907..... 8,118	1919.... 16,531	1931.... 23,686	1943.... 35,081	1955.... 29,372	1968.... 59,278
1908..... 8,276	1920.... 18,349	1932.... 11,416	1944.... 30,609	1956.... 43,515	1969.... 49,387
1909..... 7,060	1921.... 10,788	1933.... 12,435	1945.... 34,450	1957.... 36,455	1970.... 46,995
1910.... 12,277	1922.... 13,931	1934.... 13,747	1946.... 37,760	1958.... 33,019	1971.... 53,757
1911.... 17,447	1923.... 17,209	1935.... 26,195	1947.... 31,829	1959.... 41,232	1972.... 52,957
1912.... 15,993	1924.... 14,800	1936.... 17,838	1948.... 38,409	1960.... 35,276	1973.... 55,228
1913..... 8,885	1925.... 29,670	1937.... 28,720	1949.... 36,350	1961.... 46,167	1974.... 46,430
1914.... 11,943	1926.... 23,264	1938.... 24,973	1950.... 22,254	1962.... 45,744	1975.... 57,458
1915.... 12,351	1927.... 12,623	1939.... 17,772	1951.... 31,203	1963.... 44,152	1976.... 54,694
1916.... 11,139	1928.... 17,686	1940.... 18,939	1952.... 39,441	1964.... 37,551	1977.... 56,300
				1965.... 39,116	1978.... 57,907
					1979.... 60,022
					1980.... 50,574

CORN PACKS BY AREA*

Thousands of Actual Cases, figures rounded.

	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
East Golden†	2,586	3,122	2,858	3,062	2,430	2,304	2,713	1,935	2,533	2,625
Midwest Golden†	45,096	45,137	39,788	45,810	47,292	44,209	46,196	37,790	50,973	50,159
West Golden†	9,879	11,197	8,173	7,330	5,468	8,194	10,131	10,859	12,049	10,308
Total Golden	57,561	59,456	50,818	56,202	55,190	54,707	59,041	50,584	65,554	63,091
Total White	839	1,026	540	1,079	1,061	888	988	913	1,321	994
Tot Pack A/C	58,400	60,482	51,359	57,281	56,252	55,595	60,029	51,498	66,875	64,085
Tot Basis 24/303	57,949	60,522	51,595	56,879	55,729	55,090	59,177	50,831	65,437	62,216
Tot Basis 24/2	47,634	49,749	42,411	46,755	45,809	45,284	48,643	41,783	53,789	51,142

*Revised with 1982 Almanac. No breakouts by 303 nor of white available since 1977. Report does not include field corn, corn on the cob, nor succotash. See definition of Regions beginning of this Section VIII.

CORN PACKS BY SIZE OF CONTAINER†

(Thousand of Actual Cases—Figures Rounded)

Size of Container	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
24/8z Sh & Tl	5,723	6,884	4,708	5,524	5,089	4,519	5,064	4,883	6,406	5,530
24/12z Vac (b)	(a)	(a)	8,415	(a)	(a)	(a)	(a)	(a)	(a)	(a)
24/303 & 300	37,777	36,910	32,315	35,915	35,847	37,295	39,948	33,287	42,063	(a)
6/10*	5,608	7,271	5,780	6,783	6,175	5,787	6,014	5,658	8,109	6,586
Misc.	9,292	9,417	141	9,059	9,141	7,994	9,003	7,670	10,297	51,969
Total	58,400	60,482	51,359	57,281	56,252	55,595	60,029	51,498	66,875	64,085

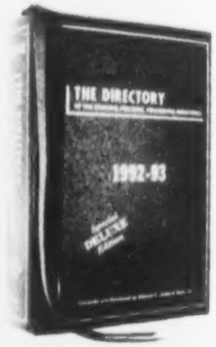
†White and Golden. *Includes 6/75z (603x600). (a) Included with misc. (b) Beginning 1983 includes 24/2 vac.

CORN PACK BY QUALITY AND STYLE

(Thousands of Actual Cases—Figures Rounded)

	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
GOLDEN										
Whole Kernel										
Fancy.........	35,277	37,469	30,321	34,541	34,821	34,863	37,668	31,537	43,080	41,450
Ex. Std........	5,893	6,266	7,356	5,967	6,195	5,598	6,925	5,811	6,545	n.a.
Standard......	716	725	776	1,042	513	530	436	468	629	n.a.
Total..........	41,886	44,460	38,454	41,549	41,529	40,991	45,029	37,816	50,255	50,218
Cream Style										
Fancy.........	13,892	13,343	10,424	13,335	12,271	12,414	12,987	11,478	14,389	11,794
Ex. Std........	1,672	1,440	1,731	1,240	1,311	1,209	955	1,232	835	n.a.
Standard......	111	213	210	77	79	93	70	59	75	n.a.
Total..........	15,675	14,996	12,364	14,652	13,661	13,716	14,012	12,769	15,300	12,873
WHITE										
Whole Kernel										
Fancy.........	n.a.	673	368	†1,042	717	n.a.	n.a.	n.a.	n.a.	n.a.
Ex. Std........	n.a.	3	15	†30	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Standard......	n.a.	3	1	†7	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total..........	n.a.	679	385	674	726	731	n.a.	n.a.	n.a.	n.a.
Cream Style										
Fancy.........	n.a.	347	152	*	334	n.a.	n.a.	n.a.	n.a.	n.a.
Ex. Std........	n.a.	.....	4	*	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Standard......	n.a.	(a)	0	*	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total..........	n.a.	348	156	405	335	157	n.a.	n.a.	n.a.	n.a.
Total All........	58,400	60,482	51,359	57,281	56,252	55,595	60,029	51,498	66,875	64,085
Total Fancy......	n.a.	51,832	41,265	48,918	48,143	48,140	n.a.	n.a.	n.a.	n.a.
Total Ex. Std.....	n.a.	7,709	9,107	7,237	7,510	6,829	n.a.	n.a.	n.a.	n.a.
Total Std........	n.a.	941	987	1,126	598	626	n.a.	n.a.	n.a.	n.a.
Total W.K........	n.a.	45,139	38,838	42,223	42,255	41,722	n.a.	n.a.	n.a.	n.a.
Total C.S.........	n.a.	15,344	12,521	15,057	13,996	13,873	n.a.	n.a.	n.a.	n.a.
Total White......	839	1,026	541	1,079	1,061	888	988	913	1,321	994
Total Golden.....	57,561	59,456	50,818	56,201	55,190	54,707	59,041	50,584	65,554	63,091

n.a.-Not available. (a) Less than 500 cases. † Includes white cream style. *Included in white whole kernel pack.



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SWEET CORN—CARRYOVER, PACK, STOCKS, SHIPMENTS

(Thousands of Actual Cases—Figures Rounded, Season beginning year shown)

	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Carryover 7/1	5,189	7,731	11,492	8,464	11,261	9,480	6,791	5,865	5,307	11,555
Pack	58,400	60,482	51,359	57,281	56,252	55,595	60,029	51,498	66,875	64,085
Canner Supply	63,589	68,214	62,851	65,745	67,513	65,075	66,820	57,363	72,181	75,640
CANNER SHIPMENTS										
July 1 to Nov. 1	16,400	18,421	21,120	17,578	19,695	21,609	20,032	18,701	20,558	20,905
November	5,601	4,697	4,110	4,866	5,220	5,691	6,029	4,516	6,032	D
December	5,240	5,102	4,153	4,246	4,345	4,623	4,365	4,123	4,292	D
January	5,194	4,821	5,066	6,023	6,367	6,620	5,692	7,170	D	D
February	5,615	4,933	4,389	5,233	5,578	5,048	6,135	5,367	D	D
March	5,806	5,678	4,108	4,963	5,297	4,543	5,726	3,600	D	D
April	4,508	4,448	4,566	3,975	4,145	4,272	4,229	3,125	D	D
May	4,922	5,132	4,168	4,458	4,539	3,443	4,271	3,181	D	D
June	2,571	3,488	2,709	3,143	2,847	2,433	4,476	2,274	D	D
July 1 to July 1	55,858	56,721	54,389	54,484	58,033	58,284	60,955	52,056	60,626	D
CANNER STOCKS										
November 1	47,189	49,792	41,731	48,168	47,818	43,466	46,788	38,662	51,623	54,736
December 1	41,588	45,095	37,622	43,302	42,598	37,775	40,759	34,146	45,591	D
January 1	36,348	39,993	33,469	39,056	38,253	33,152	36,394	30,023	41,299	D
February 1	31,154	35,172	28,403	33,033	31,886	26,532	30,702	22,853	D	D
March 1	25,539	30,239	24,014	27,800	26,308	21,483	24,567	17,486	D	D
April 1	19,732	24,561	19,906	22,837	21,011	16,940	18,841	13,886	D	D
May 1	15,224	20,113	15,340	18,862	16,866	12,668	14,612	10,761	D	D
June 1	10,302	14,981	11,171	14,405	12,327	9,224	10,340	7,580	D	D
July 1	7,731	11,492	8,464	11,261	9,480	6,791	5,865	5,307	11,555	D
EXPORTS**	6,543	5,716	6,065	5,257	5,608	7,037	8,351	10,600	9,085	11,913
GOV. PURCHASES**										
Armed Forces	488.2	389.9	278.1	423.7	263.2	357.5	420.4	462.9	n.a.	882.3
U.S.D.A.	61.2	464.3	735.9	1,146.4	1,389.7	920.0	658.8	63.0	1,254.2	762.0
Vet Adm.	[1]44.1	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

(a) Included in May. n.a. - Not available. P - Not available at press time. **Basis 1,000 cases 24/303, season beginning year shown. Calendar year for Exports. [1] Estimated requirements. D - Reports discontinued.

GREEN PEA PACKS IN THE UNITED STATES

Compiled by Economics & Statistics Div., Nat'l Food Processors Assn.

Thousands of Cases, basis 24 No. 303 Cans.

1899	3,130	1918	13,497	1930	26,883	1942	43,012	1954	29,220	1966	31,856
1904	5,727	1919	10,596	1931	16,209	1943	42,763	1955	33,399	1967	37,692
1908	6,804	1920	15,027	1932	12,648	1944	38,460	1956	35,682	1968	36,231
1909	6,134	1921	10,013	1933	15,729	1945	48,372	1957	41,290	1969	32,071
1910	5,303	1922	15,911	1934	19,205	1946	49,938	1958	36,035	1970	28,697
1911	5,529	1923	17,017	1935	30,132	1947	40,405	1959	31,309	1971	33,197
1912	8,915	1924	23,564	1936	20,194	1948	28,494	1960	28,714	1972	33,081
1913	10,699	1925	21,736	1937	28,630	1949	28,631	1961	32,399	1973	29,558
1914	10,793	1926	21,605	1938	31,059	1950	35,479	1962	33,725	1974	33,120
1915	11,312	1927	15,782	1939	19,610	1951	41,378	1963	33,588	1975	35,172
1916	8,157	1928	21,895	1940	30,739	1952	32,342	1964	30,045	1976	31,927
1917	11,991	1929	22,607	1941	35,043	1953	34,206	1965	37,585	1977	30,238
										1978	25,269
										1979	36,492
										1980	30,056

GREEN PEA PACKS BY REGION* AND VARIETY

(Thousands of Actual* Cases)

SWEET & ALSWEET	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
East	2,113	2,571	2,202	2,885	3,194	2,189	2,558	2,517	3,061	3,264
Mid-West	16,435	16,217	13,959	16,023	25,865	18,869	20,655	10,174	22,112	21,794
West	2,736	**	**	**	**	**	**	**	**	**
Tot. Sweet	21,284	18,788	16,161	18,908	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Tot. Alaska	6,648	5,728	4,401	4,367	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Tot. Actual Cs.	27,932	24,516	20,562	23,276	29,059	21,058	23,213	12,691	25,173	25,058
Tot. basis 303's	27,296	24,790	20,827	23,312	29,306	20,919	23,057	12,494	24,336	24,298
Tot. basis 2's	22,437	20,377	17,120	19,162	24,090	17,195	18,953	10,270	20,004	19,973

*Table revised 1985 Almanac. All regional figures in Actual Cases and include Alaskas beginning 1985. See NFPA Regional Definitions at beginning of this Section VIII. **Included in East.

GREEN PEA PACKS BY SIZE OF CONTAINER & QUALITY

(Thousands of Actual Cases—Figures Rounded)

	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
QUALITY BY CONTAINER SIZE—all varieties										
24/8Z Total	4,472	3,390	2,824	3,459	4,169	2,894	2,934	1,977	3,858	3,194
Fancy	4,194	3,213	2,694	3,324	3,708	2,788	2,843	1,784	3,726	3,079
Ex. Std.	255	148	106	120	[1]189	93	[1]60	[1]161	103	98
Std.	24	29	24	14	[1]36	13	[1]4	[1]20	29	18
24/300-303 Tot	20,990	17,992	15,102	17,057	21,240	16,126	18,237	9,489	18,677	19,694
Fancy	14,174	11,736	10,643	12,279	15,493	11,713	13,976	7,038	13,660	14,546
Ex. Std.	5,901	5,709	4,012	4,339	5,205	4,177	4,096	2,201	4,591	4,732
Std.	915	546	446	439	542	236	164	250	427	416
6/10 Tot.	2,470	3,085	2,628	2,758	3,650	2,037	2,041	1,225	2,638	2,170
Fancy	803	925	908	917	1,256	983	755	378	941	747
Ex. Std.	1,443	1,928	1,594	1,757	[1]1,804	995	1,245	[1]516	1,567	1,270
Std.	225	232	126	84	[1]157	59	41	[1]89	130	152
Total All	27,932	24,516	20,562	23,276	29,059	21,058	23,213	12,691	25,173	25,058
Tot. Fancy*	19,170	15,924	14,252	16,522	20,458	15,484	17,575	9,200	18,327	18,372
Tot. Ex. Std.*	7,599	7,785	5,712	6,216	7,646	5,265	5,427	3,121	6,261	6,101
Tot. Std.*	1,163	807	598	537	955	308	211	370	586	586

*May include small pack of misc. tin and glass sizes not included in above container size breakdown.

[1] Midwest only, other regions not shown for disclosure reasons.

GREEN PEA PACKS BY VARIETY, QUALITY & SIEVE SIZE

(Thousands of Actual Cases—Figures Rounded)

	1981	1982	1983	1984	(a)1985	(a)1986	(a)1987	(a)1988	1989	1990
QUALITY BY VARIETY										
ALASKA										
Fancy	4,779	3,942	2,827	3,346	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Ex. Std.	1,697	1,616	1,445	960	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Std.	172	171	130	61	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total Alaska	6,648	5,728	4,401	4,367	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
SWEET & ALSW.										
Fancy	14,391	11,982	11,425	13,176	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Ex. Std.	5,902	6,170	4,267	5,256	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Std.	991	636	468	476	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total Sweet	21,284	18,788	16,161	18,908	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
SIEVE SIZE BY VARIETY										
ALASKA										
1 Sieve	167	214	218	(a)	(a)	(a)	(a)	(a)	(a)	(a)
2 Sieve	3,748	2,524	1,939	(a)	(a)	(a)	(a)	(a)	(a)	(a)
3 Sieve	1,451	1,680	954	(a)	(a)	(a)	(a)	(a)	(a)	(a)
4 Sieve & Up	1,049	1,076	1,181	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Mixed	233	233	109	(a)	(a)	(a)	(a)	(a)	(a)	(a)
SWEET & ALSW. (a)										
1 and 2 Sieve	1,288	2,712	1,118	1,465	6,246	5,155	n.a.	2,744	4,313	4,657
3 Sieve	1,094	1,024	894	1,152	2,924	1,856	1,708	1,190	2,196	1,876
4 Sieve	1,830	1,913	1,868	2,177	(b)5,402	2,249	2,957	1,159	2,451	2,654
5 Sieve & Up	1,773	1,171	672	1,252	(b)	901	n.a.	389	983	1,170
Mixed	15,299	11,968	11,610	12.863	14.487	10,896	12,921	7,210	15,230	14,700

(a) Alaska included with sweet & alsweet beginning 1984. (b) 5 sieve & up included with 4 sieve.
n.a. - Not available.

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CANNED GREEN PEAS CARRYOVER—PACK—STOCKS—SHIPMENTS

(Thousands of Actual Cases—Figures Rounded--Season beginning year shown)

	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Carryover June 1	5,979	6,178	3,530	1,806	3,251	7,281	4,474	4,017	806	2,993
Pack	27,932	24,516	20,562	23,276	29,059	21,058	23,213	12,691	25,173	25,058
Canner Supply	33,911	30,694	24,093	25,082	32,310	28,338	27,687	16,708	25,979	28,051
CANNER SHIPMENTS										
6/1 to 9/1	4,859	5,110	5,362	5,551	5,458	5,061	5,070	7,581	5,444	4,777
September	2,892	2,889	2,988	2,269	2,195	2,649	2,314	1,253	2,191	D
October	2,504	2,753	2,401	2,510	3,034	2,892	2,424	n.a.	3,225	D
November	2,745	2,789	1,848	2,321	1,693	2,401	2,618	1,493	2,782	D
December	2,525	2,288	1,559	1,214	2,541	1,816	2,024	1,174	1,717	D
January	2,254	2,298	2,256	2,044	2,461	2,613	2,093	1,386	1,967	D
February	2,520	2,485	2,167	2,014	1,836	1,884	1,993	964	D	D
March	2,639	2,427	1,409	1,472	2,071	1,704	2,184	1,009	D	D
April	2,356	2,058	1,244	1,216	1,938	1,615	1,376	757	D	D
May	2,439	2,067	1,052	1,220	1,800	1,228	1,572	722	D	D
6/1 to 6/1	27,733	27,164	22,286	21,831	25,029	23,864	23,670	15,902	22,986	D
CANNER STOCKS										
September 1	29,052	25,584	18,731	19,531	26,852	23,277	22,617	9,126	20,534	23,274
October 1	26,160	22,696	15,743	17,262	24,657	20,628	20,303	7,874	18,343	D
November 1	23,656	19,943	13,342	14,752	21,620	17,736	17,878	8,284	15,118	D
December 1	20,911	17,153	11,494	12,431	19,927	15,335	15,260	6,791	12,336	D
January 1	18,386	14,865	9,935	11,217	17,386	13,519	13,236	5,617	10,619	D
February 1	16,132	12,568	7,678	9,172	14,924	10,905	11,142	4,258	8,652	D
March 1	13,612	10,082	5,511	7,159	13,089	9,021	9,149	3,294	D	D
April 1	10,973	7,655	4,102	5,687	11,018	7,317	6,966	2,285	D	D
May 1	8,617	5,597	2,858	4,471	9,080	5,702	5,589	1,528	D	D
June 1	6,178	3,530	1,806	3,251	7,281	4,474	4,017	806	2,993	D
EXPORTS**	284	262	217	176	132	144	145	126	279	258
GOV. PURCHASES**										
Armed Forces	191.2	159.4	226.3	240.8	162.3	83.4	141.0	167.4	285.2	321.6
U.S.D.A.	541.7	714.3	535.7	60.2	588.8	622.8	499.2	60.2	688.0	226
Vet. Adm.	[1]44.8	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

**Basis 1,000 24/303's. Calendar year for Exports. n.a. - Not available. [1]July 1 to Mar. 31. D - Reports discontinued.

SWEET POTATO PACKS IN THE UNITED STATES

Thousands of Cases, basis 24 No. 303 Cans. To Convert to 2's, multiply by .822

1940	1,194	1946	5,089	1952	6,091	1958	8,558	1964	7,865	1970	9,846	1976	7,960
1941	2,430	1947	2,055	1953	5,948	1959	8,864	1965	11,101	1971	10,056	1977	7,194
1942	1,121	1948	2,215	1954	4,954	1960	6,942	1966	10,024	1972	9,461	1978	9,436
1943	1,482	1949	3,837	1955	6,165	1961	8,157	1967	9,848	1973	11,415	1979	9,174
1944	2,050	1950	5,190	1956	6,177	1962	10,876	1968	10,846	1974	12,767	1980	5,917
1945	3,751	1951	3,964	1957	6,519	1963	8,756	1969	12,499	1975	7,668	1981	7,955

SWEET POTATO PACKS BY SIZE OF CONTAINER AND STATE

12 Months beginning July 1 of year shown (Thousand of Actual Cases—Figures Rounded)

SIZE	1979	1980	1981	1982	1983	1984	1985	1986	1987	D1988
24/8 oz.	184	111	157	108	91	111	70	88	79	87
24/2 Squat	109	(a)	(a)	76	(a)	(a)	(a)	(a)	(a)	(a)
24/303 & 300	1,345	985	1,435	1,343	967	1,040	1,120	1,339	1,210	1,135
24/3 Squat	867	473	800	558	627	446	469	445	395	414
24/2½	944	746	992	650	447	592	702	720	720	596
12/3 cyl.	79	30	55	91	(a)	(a)	(a)	(a)	(a)	(a)
6/10	1,697	1,134	1,375	1,624	919	960	1,159	1,486	1,089	1,111
12/40 oz	816	673	979	745	(a)	(a)	(a)	(a)	(a)	(a)
Miscellaneous	8	42	111	.....	913	817	1,004	1,535	1,054	1,070
*REGION										
East	2,265	1,476	1,473	1,125	750	405	605	801	(c)	(c)
South	2,865	2,718	4,430	4,070	3,213	3,561	3,919	4,813	3,575	3,643
West	919	(a)	(a)	(a)	(a)	(a)	(a)	(a)	972	771
Total A/C	6,048	4,195	5,903	5,195	3,963	3,967	4,524	5,613	4,547	4,414
Total Basis 24/303	9,174	5,917	7,955	7,049	5,315	5,283	6,149	7,469	6,055	5,850

*Beginning 1981 data adjusted to conform with new NFPA uniform regional definitions. (See beginning of this Section VIII for description). Earlier years therefore not comparable. Prior to 1981 East data is for MD, Del. & NC; South & West data is for Fla., La. & Tenn. (a) Included in Misc. or South. (b) Included with 6/10. (c) Included in West. n.a. - Not available. D - Data discontinued after 1988 pack.

SWEET POTATO PACKS BY STYLE

(Thousands of Actual Cases—Figures Rounded)

STYLE	1979	1980	1981	1982	1983	1984	1985	1986	1987	D1988
Solid, Mashed....	179	128	141	93	82	n.a.	n.a.	n.a.	n.a.	96
Whole, Syrup....	1,697	940	1,529	1,217	953	933	954	1,244	932	978
Cuts & Halves*...	3,918	2,926	3,917	3,678	2,782	2,835	3,323	4,047	3,369	3,194
Vacuum Pack....	254	201	315	207	146	n.a.	n.a.	n.a.	n.a.	145
Total............	6,048	4,195	5,903	5,195	3,963	3,967	4,524	5,613	4,547	4,414

D - Data discontinued after 1988 pack.

SAUERKRAUT PACKS IN THE UNITED STATES

Compiled by National Kraut Packers Association

Thousands of Cases, Tin & Glass basis 24 No. 303 Cans. Season beginning year shown.

1939	7,226	1946	10,103	1953	10,043	1960	9,833	1967	11,424	1974	12,209
1940	10,648	1947	5,175	1954	9,829	1961	9,923	1968	10,825	1975	9,859
1941	10,011	1948	7,938	1955	9,267	1962	9,400	1969	10,569	1976	9,409
1942	4,299	1949	9,527	1956	9,922	1963	9,554	1970	12,088	1977	9,419
1943	4,541	1950	10,857	1957	9,673	1964	9,026	1971	11,266	1978	9,509
1944	3,954	1951	8,834	1958	9,316	1965	10,768	1972	10,008	1979	9,016
1945	10,358	1952	8,688	1959	8,229	1966	10,019	1973	10,573	1980	8,173

SAUERKRAUT PACKS BY STATE AND CONTAINER SIZE

Thousands of Cases. Figures rounded—12 month pack beginning Sept. 1 of year shown.

	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
BASIS 24/303 CANS										
Tin, East........	2,842	2,606	2,197	2,441	2,096	1,901	1,980	2,052	1,972	1,957
Tin, Midwest.....	3,487	3,351	2,115	3,034	2,979	3,802	3,353	3,223	3,353	3,998
Tin, Other.......	880	992	486	493	302	238	401	503	953	502
Total Tin........	7,209	6,949	4,797	5,968	5,378	5,941	5,733	[7]5,778	[7]6,279	[7]6,457
Glass............	1,478	1,468	1,047	1,043	2,309	1,778	1,252	[7]1,265	[7]1,545	[7]1,459
Tot. Tin & Glass...	8,686	8,417	5,844	7,011	7,687	7,719	6,985	7,024	7,821	7,899
Bags, 303 basis...	1,377	1,299	1,330	1,741	2,122	1,460	1,468	1,501	1,603	1,672
Tot. above.......	10,063	9,716	7,174	8,752	9,809	9,179	8,453	8,525	9,424	9,571
CONTAINER SIZE (Actual Cases)										
24/8 oz..........	504	337	413	501	406	330	392	429	412	334
24/300...........	221	203	130	164	185	660	453	400	616	422
24/303...........	2,643	2,574	1,739	1,997	2,270	1,957	2,002	2,077	2,083	2,258
24/2½...........	1,192	1,117	740	941	804	848	798	875	940	835
6/10.............	1,131	1,043	769	1,043	832	981	950	960	1,009	1,270
Misc. Tin........	137	346	153	190	115	102	146	165	131	111
12/Qt. glass[2].....	1,231	1,239	866	1,053	950	1,366	946	1,016	1,311	1,232
12/Pt. glass[2].....	336	220	245	224	219	321	257	220	240	184
Misc. Glass[3]......	.....	.....	.....	.....	.....	.....	73	58	31	31
Tot. Tin & Gl.....	7,395	7,079	5,055	6,113	5,782	6,564	6,018	6,200	6,773	6,676
12/2 lb. bags[2]....	1,232	1,097	1,251	1,575	1,985	1,369	1,341	1,385	1,483	1,613
12/1 lb. bags[2]....	596	693	453	719	745	507	579	566	595	489
Tot. Above A/C...	9,223	8,869	6,759	8,407	8,513	8,439	7,939	8,152	8,851	8,778
THOUSANDS OF CONTAINERS (not included in above 303's or Actual Case figures)										
Misc. Jars & Pails[6].	.....	.....	.....	28	136	9	[6]94	11	15	31
5 gal. pails.......	49	48	33	235	21	73	95	110	161	53
Barrels (sold bulk).	36	20	10	41	16	7	16	14	13	68
BARRELS CUT[4].	601	572	412	563	565	514	521	502	552	598

PROPORTION Of Total Sauerkraut Pack By Container Type

1984	Metal...........61%	Poly Bag........17%	Glass...........10%	[5]Misc............11%
1985	Metal...........55%	Poly Bag........21%	Glass...........21%	[5]Misc.............4%
1986	Metal...........64%	Poly Bag........16%	Glass...........17%	[5]Misc.............3%
1987	Metal...........66%	Poly Bag........16%	Glass...........11%	[5]Misc.............7%
1988	Metal...........66%	Poly Bag........16%	Glass...........13%	[5]Misc.............5%
1989	Metal...........64%	Poly Bag........16%	Glass...........15%	[5]Misc.............5%
1990	Metal...........61%	Poly Bag........15%	Glass...........12%	[5]Misc............12%

EAST includes N.Y., Md., Pa. MIDWEST: Wis., Ill., Ohio, Mich., Ind. OTHER: Ore., Wash., Colo., Tenn., Mass. [2] Packed by prime mfgrs. only. [3] Basis 4/1 gal. per case. Prior to 1987 included with "Misc. Jars & Pails". [4] Converted from all container figures. [5] Bulk (45 gal.) Barrels, Plastic Pails & Misc. Jars. [6] One gallon equivalents. Pails only in 1987, 1988, 1989 & 1990. [7] Will not add to "Tot. Tin & Glass" because of unavailability of data necessary to make exact conversions.

TOMATO PACKS IN THE UNITED STATES

Thousands of Cases, basis 24 No. 303 Cans

1899	18,119	1919	22,512	1932	24,848	1945	20,444	1958	37,152	1971	38,367
1904	19,587	1920	23,674	1933	24,961	1946	29,106	1959	29,422	1972	43,301
1908	23,906	1921	8,366	1934	27,299	1947	33,805	1960	30,991	1973	45,431
1909	22,875	1922	24,028	1935	32,921	1948	29,759	1961	34,034	1974	43,784
1910	19,232	1923	30,555	1936	29,785	1949	26,275	1962	35,541	1975	53,465
1911	20,303	1924	26,071	1937	32,006	1950	25,751	1963	33,041	1976	42,805
1912	29,201	1925	41,172	1938	28,220	1951	38,759	1964	36,431	1977	54,124
1913	29,585	1926	19,690	1939	29,848	1952	34,136	1965	36,015	1978	49,241
1914	31,700	1927	27,358	1940	36,030	1953	27,248	1966	32,662	1979	42,789
1915	17,637	1928	17,782	1941	38,746	1954	26,629	1967	39,127	[1]CCC.	10,107
1916	27,369	1929	29,458	1942	50,327	1955	30,167	1968	48,422	1980	36,697
1917	31,397	1930	35,399	1943	35,708	1956	36,457	1969	32,036	[1]CCC.	16,399
1918	33,076	1931	19,936	1944	31,841	1957	26,446	1970	39,017	1981	38,325
										[1]CCC.	13,612

[1] CCC means California Concentrated Crushed. Prior to 1979 data not collected separately. Reports discontinued (data not collected) beginning 1988.

U.S. CANNED TOMATO PACKS BY REGION*

Source: National Food Processors Assn. and California League of Food Processors

Thousands of Actual Cases — Figures Rounded — Calendar Year

REGION*	1979	1980	1981	1982	1983	1984	1985	1986	1987	D1988
East	2,112	1,274	2,237	2,803	2,278	2,195	1,127	717	(b)	(b)
Midwest	3,263	2,599	2,716	3,794	4,006	4,843	4,141	4,702	5,306	4,964
West	26,900	23,682	23,591	24,652	21,392	24,022	22,505	23,821	26,096	30,468
South	1,415	1,044	1,156	2,229	1,590	1,680	1,212	1,254	2,706	2,315
Tot. above A/C	33,689	28,599	29,700	33,478	29,266	32,740	28,986	30,494	34,107	37,747
Tot Bas. 24/303	(e)42,789	(e)36,697	(e)38,325	43,286	37,597	43,170	37,485	38,955	44,634	50,626
Tot. Bas. 24/2	(e)35,173	(e)30,165	(e)31,503	35,581	30,905	35,486	30,813	32,021	36,689	41,615
CCC[1] (A/C)	6,281	10,158	8,421	12,292	14,859	14,302	13,773	14,870	18,160	D
Tot. all A/C	39,970	38,757	38,120	45,770	44,125	47,042	42,759	45,364	52,267	n.a.
Tot. all Bas. 303 (e)	52,896	53,096	51,937	63,089	61,561	66,376	59,585	63,148	73,237	n.a.

*This table completely revised in the 1985 Almanac. For definitions of region see note in box at beginning of this Section VIII. NFPA 1984 tomato pack report provided separate breakdown for the California pack of concentrated crushed tomatoes and adjusted the '82 and '83 figures. Almanac editors adjusted '79, '80, & '81. (e) Conversions may include estimate for small amount of mixed misc. container sizes. [1]California concentrated crushed includes ground tomatoes and pizza sauce (including prepared with oil or formulated). n.a. - Not available. (a) Included in West. (b) Included in South. D - Reports discontinued. All reports discontinued in 1989.

TOMATO PACKS BY SIZE OF CONTAINER

Thousands of Actual Cases—Figures Rounded—Calendar Year

Units per Case & Size of Cont'nr	1979	1980	1981	1982	1983	1984	1985	1986	1987	D1988
24/2	118	.....	.....	0	0	(a)	(a)	(a)	(a)	(a)
24/8Z	886	687	765	500	784	678	288	378	540	439
48/1 Pic	234	200	270	668	(a)	(a)	(a)	(a)	(a)	(a)
24/300/303	18,024	14,203	14,637	17,448	14,631	15,136	14,827	14,203	15,968	16,624
24/2½	6,011	4,896	4,991	5,087	3,572	4,748	3,845	3,476	3,557	4,509
6/10	7,809	7,558	8,187	9,546	9,332	11,145	8,958	9,312	12,521	15,072
Misc. Tin & Gl.	608	1,055	849	229	948	1,034	1,068	3,125	1,521	1,104
Total	33,689	28,599	29,700	33,478	29,266	32,740	28,986	30,494	34,107	37,747

(a) Included in Misc. D - All reports discontinued in 1989.

CANNED TOMATOES — CARRYOVER—PACKS—STOCKS—SHIPMENTS

(Thousands of Actual Cases—Figures Rounded—Season beginning year shown)

	1979	1980	1981	*1982	*1983	*1984	*1985	*1986	*1987	*1988
Carryover 7/1	10,866	9,017	7,423	4,791	7,202	7,207	8,377	7,567	4,574	5,581
Pack, 7/1 - 1/1	38,491	38,019	37,410	32,059	28,185	31,583	28,066	29,705	32,576	36,339
Pack, 1/1 - 4/1	389	163	728	295	264	249	162	411	1,408	153
Pack, 4/1 - 7/1	349	547	691	787	893	671	627	1,121		806
Canner Supply	50,094	47,746	46,252	37,932	36,544	39,710	37,232	38,804	38,557	42,879
CANNER SHIPMENTS										
7/1 to 11/1	20,585	22,298	23,547	17,108	16,341	17,773	15,332	18,842	n.a.	16,414
11/1 to 1/1									n.a.	6,076
1/1 to 4/1	13,102	11,036	10,057	8,381	8,398	11,234	8,819	9,092	n.a.	10,412
4/1 to 7/1	7,390	6,989	6,185	5,240	4,599	2,326	5,514	6,297	n.a.	6,474
Tot. 7/1 to 7/1	41,077	40,322	39,790	30,730	29,337	31,333	29,664	34,231	32,976	39,376
CANNER STOCKS										
November 1	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	25,392
January 1	28,771	24,738	21,286	19,742	19,046	21,017	21,111	18,431	n.a.	19,431
April 1	16,058	13,865	11,957	11,656	10,913	10,033	12,454	9,749	n.a.	9,172
July 1	9,017	7,423	6,462	7,202	7,207	8,377	7,567	4,574	5,581	3,503
EXPORTS**	1,779	1,456	1,341	832	583	498	664	579	335	493
GVM'T PURCHASES**										
Armed Forces	518.4	532.6	583.8	425.3	676.5	517.1	576.2	545.1	550.3	555.4
USDA	2,858.3	431.0	36.4	75.6	722.5	1,086.8	882.5	1,234.5	839.2	597.5
Vet. Admin.	75.5	80.1	65.8	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

*Not comparable to earlier years. Calif. concentrated crushed packs deleted. See Note under Tomato Packs By Region. **Basis 1,000 cases 24/303, Season beginning year shown. Calendar year for Exports.

CALIFORNIA TOMATO PACKS BY TYPE & STYLE

Source: California League of Food Processors
Thousands of Actual Cases

	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Whole Round	17,944	14,960	13,339	15,390	11,464	13,888	12,137	11,894	12,139	12,277
Whole Pear	1,686	1,774	1,087	980	936	1,144	974	641	748	1,111
Stewed	6,103	5,120	5,483	5,595	5,948	5,252	5,364	5,526	6,567	6,770
Other Styles†	1,847	1,818	3,584	2,641	3,044	3,665	3,913	5,656	6,600	10,176
Total	27,579	23,672	23,493	24,606	21,392	23,949	22,388	23,717	26,054	30,334
Conc. Crushed*										
24/300-303	221	(m)	275	408	479	325	860	(m)	1,487	D
24/2½	720	1,215	1,054	1,321	1,235	1,531	1,912	927	1,400	D
6/10	5,218	8,361	7,005	10,417	13,075	12,393	11,001	13,805	[1]15,020	D
Misc.	122	582	87	146	70	53	.....	138	253	D
Total	6,281	10,158	8,421	12,292	14,859	14,302	13,773	14,870	18,160	D
Total All	33,861	33,830	31,914	36,898	36,251	38,251	36,161	38,587	44,214	D

(m) Included in "Misc." † Includes diced, sliced, wedges and chunks. *Includes ground tomatoes, and pizza sauce (including prepared with oil or formulated). [1] Includes some bulk packs converted to 6/10's. D - Reports discontinued. All reports discontinued in 1989.

CALIFORNIA TOMATO PASTE PACKS

Retail sizes not included.

Source: California League of Food Processors - Thousands of Cases

	1981	1982	1983	1984	1985	1986	1987	1988
6/10 Actual Cases	1,013	1,288	1,202	1,835	1,533	1,610	1,746	D
Bulk Pack basis 6/10*	15,423	18,384	18,722	21,617	22,200	22,357	24,432	D
Total	16,436	19,672	19,924	23,452	23,733	23,967	26,178	D

*Includes product packed in barrels, tanks, tank cars, 6/12's etc., converted to standard 6/10 basis, 32% salt free solids. D - Reports discontinued.

TOMATO CATSUP PACKS IN THE UNITED STATES*

Compiled by Economics & Statistics Div., Nat'l Food Processors Assn.

(Thousands of Actual Cases—Figures Rounded)

Year	Cases	Year	Cases	Year	Cases	Year	Cases	Year	Cases	Year	Cases
1942	11,771	1948	16,897	1954	18,565	1960	33,818	1966	41,450	1972*	6,403
1943	9,382	1949	10,900	1955	22,947	1961	33,706	1967	44,256	1973*	6,518
1944	11,688	1950	14,793	1956	30,301	1962	42,018	1968*	10,509	1974*	7,739
1945	11,484	1951	24,015	1957	24,079	1963	34,705	1969*	4,950	1975*	10,083
1946	15,751	1952	19,652	1958	28,364	1964	38,775	1970*	5,377	1976*	5,313
1947	20,661	1953	19,116	1959	25,774	1965	41,130	1971*	7,490	1977*	8,065

Thousands of Cases 6/10 and larger

	1978	1979	1980	1981	1982	1983	1984	1985	1986	D1987
†California	5,605	5,742	4,575	3,959	4,422	4,719	4,566	4,072	3,650	3,931
Other States	1,155	833	975	911	1,320	1,333	2,107	2,264	1,873	3,276
Total	6,760	6,575	5,550	4,870	5,742	6,052	6,673	6,336	5,523	7,207

*Includes only No. 10's & larger 1968 and thereafter. Includes bulk packs converted to # 10's. See also Bureau of Census reports, under Pulp pack. † Reports by California League of Food Processors. D - Reports discontinued in 1988.

CHILI SAUCE PACKS IN THE UNITED STATES

Compiled by Economics & Statistics Div., Nat'l Food Processors Assn. and California League of Food Processors

(Thousands of Actual Cases—Figures Rounded)

Year	Cases	Year	Cases	Year	Cases	Year	Cases	Year	Cases	Year	Cases
1947	3,621	1953	2,563	1959	2,826	1965	2,646	1971	2,195	1977	2,111
1948	2,544	1954	1,979	1960	2,567	1966	2,853	1972	2,511	1978	2,778
1949	1,370	1955	2,395	1961	2,489	1967	2,453	1973	2,225	1979	2,151
1950	1,814	1956	3,292	1962	2,889	1968	3,355	1974	2,099	1980	2,261
1951	3,220	1957	2,208	1963	2,145	1969	2,506	1975	2,126	1981	1,978
1952	2,848	1958	2,099	1964	2,443	1970	2,427	1976	2,442	1982	2,292

PACK BY SIZE OF CONTAINER

	1978	1979	1980	1981	1982	1983	1984	1985	1986	D1987
12 oz. glass	1,310	1,185	1,289	1,208	1,495	1,192	†460	†309	n.a.	n.a.
6/10 tin*	1,468	966	972	770	796	764	†656	†773	n.a.	n.a.
Total A/C*	2,778	2,151	2,261	1,978	2,292	1,956	2,248	2,147	2,045	1,437
Tot. Basis 12/12 oz.	9,663	6,680	5,723	4,719	5,127	4,674	5,518	5,858	6,531	4,540
Tot. Basis 24/303's	2,834	1,977	2,038	1,680	1,826	1,665	1,965	2,086	2,326	1,622
Tot. Basis 6/10	1,745	1,217	1,255	1,035	1,124	1,025	1,210	1,285	1,432	999
Calif. A/C*	1,854	1,317	1,331	1,001	1,085	993	1,116	1,082	n.a.	n.a.
Calif. Basis 6/10	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	841	1,011	631
Other States A/C*.	924	834	930	977	1,207	963	1,132	1,065	n.a.	n.a.
Other Sts Basis 6/10	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	444	421	368

*Includes bulk packs converted to 6/10. † California only. A/C - Actual Cases. D - Reports discontinued in 1988.

TOMATO PULP (PUREE) PACKS IN THE U.S.*

Source: Nat'l. Food Processors Assn.; and California League of Food Processors

(Thousands of Actual Cases)

REGION*	1978	1979	1980	1981	1982	1983	†1984	†1985	†1986	†1987D
California A/C	4,876	6,031	4,762	3,860	5,556	4,816	3,917	3,698	3,129	5,030
Other States	429	504	292	469	594	604	n.a.	n.a.	n.a.	n.a.
BY CONTAINER SIZE										
24/300/303's	324	395	177	231	321	249	150	(a)	(a)	(a)
24/2's	31	33	30	32	47	(a)	(a)	(a)	(a)	(a)
24/2½'s	1,545	2,225	1,658	1,591	1,698	1,744	786	702	717	713
6/10's**	3,103	3,452	2,904	2,156	3,730	3,113	2,778	2,662	2,285	3,885
Misc.	303	430	285	319	353	314	203	334	127	432
Tot. A/C	5,305	6,535	5,054	4,329	6,150	5,420	3,917	3,698	3,129	5,030

**Includes larger sizes in Calif. converted to 6/10's. † California only. (a) Included in "Misc.". (b) In Midwest. n.a. - Not available. D - Reports discontinued in 1988.

CANNED FRUIT PACK STATISTICS

Compiled by National Food Processors Assn.; California League of Food Processors; Cling Peach Advisory Board; Florida Citrus Processors Assn.; Northwest Food Processors

GLASS PACK: In most of the tables showing the pack by Size of Container, all Glass pack has been included with tin of comparable size; viz., No. 2½ jar with No. 2½ tin; 16 oz. jar with 303 tin, etc.

SUMMARY OF CANNED FRUIT AND FRUIT JUICE PACKS

Thousands of Cases—Basis 24/2½—Figures Rounded

FRUITS	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Apples (b)	1,317	1,586	1,553	D	D	D	D	D	D	D
Applesauce (b)	8,819	10,875	10,480	D	D	D	D	D	D	D
Apricots	1,208	1,626	1,167	1,861	1,532	505	1,281	1,381	1,485	D
Blackberries	38	47	46	D	D	D	D	D	D	D
Blueberries	327	289	167	D	D	D	D	D	D	D
RSP Cherries	213	471	189	389	390	253	474	434	472	D
Sweet Cherries	316	498	496	357	405	327	451	439	483	D
Cranb. Sce.	3,542	3,562	D	D	D	D	D	D	D	D
Frt. Cocktail (c)	11,383	8,722	8,223	8,671	10,058	8,976	9,344	9,724	10,651	D
Frt. for Salad (c)	(e)	(e)	(e)	(e)	(e)	(e)	(e)	(e)	(e)	D
Fla. Grapef. Seg. (b)	926	851	D	D	D	D	D	D	D	D
Misc. Fr. (a)	41	54	38	D	D	D	D	D	D	D
Mixed Fr. (c)	2,545	2,401	1,335	2,506	2,509	1,845	2,433	2,306	2,373	D
Peaches	21,763	18,608	11,421	19,512	18,401	15,506	15,898	18,512	17,604	D
Pears	9,700	7,789	7,214	7,657	7,813	7,209	9,125	9,169	D	D
Pineapple (b)	[3]16,640	D	D	D	D	D	D	D	D	D
Purple Plums	940	375	443	577	642	632	488	592	754	D
Total Fruits	79,718	56,960	42,772	41,530	41,750	35,253	39,494	42,557	33,822	D
No. Prod. in Tots.	15	14	12	9	9	9	9	9	8	.....
FRUIT JUICES (b)										
Apple	18,728	18,732	D	D	D	D	D	D	D	D
Grapefruit (f)	15,230	8,029	6,555	7,271	6,855	6,189	5,323	5,482	4,125	4,602
Orange (f)	9,852	6,754	6,260	5,117	5,234	5,597	5,000	5,626	4,576	4,913
Citrus Blend (f)	556	448	382	424	329	367	309	292	230	310
Pineapple	[3]9,237	D	D	D	D	D	D	D	D	D
Total Juices	53,603	*	*	*	*	*	*	*	*	*
Total Fruits & Juices	133,256	*	*	*	*	*	*	*	*	*

(a) Includes Boysenberries, Loganberries, Youngberries, Gooseberries, Raspberries, Strawberries, Plums not purple, Rhubarb. (b) Pack beginning year shown. (c) California. D - Reports discontinued. (e) Included with Mixed Fruit. (f) Florida only beginning 1982. P - Not available at press time. *Not complete. [3]Calendar year.

U.S. PACKS OF APPLE JUICE

Source: National Food Processors Association. With Permission.

Thousands of Cases, Figures Rounded, Pack Aug. 1 to Aug. 1 Beginning Year Shown.

	1973	*1974	1975	1976	1977	1978	1979	1980	1981	D1982
48/5 to 6 oz. Tin	1,777	1,819	1,491	1,915	2,235	3,285	2,638	2,641	2,909	4,097
12/3 Cyl-46 oz T.	3,629	3,193	3,037	2,491	2,662	3,624	3,348	2,910	2,169	2,684
24/12 oz. glass	76	41	56	450	676	867	1,019	1,246	1,304	(a)
12/32 oz. glass	6,264	6,231	4,266	3,787	4,863	5,425	5,826	4,713	3,778	4,113
12/40 oz. glass	828	929	989	810	854	1,138	836	764	618	514
6/64 oz. glass	2,272	2,714	3,545	4,520	5,841	8,502	10,440	12,517	13,971	14,084
4/1 gallon jug	600	960	1,609	1,730	1,629	2,003	2,479	2,113	2,389	2,586
Misc. tin & gl.	176	511	933	850	1,068	1,516	1,493	2,501	2,495	2,153
Tot Actual Cases	15,623	16,399	15,926	16,553	19,828	26,361	28,079	29,405	29,632	30,232
Tot Basis 24/2½	10,265	10,811	10,826	10,920	12,906	17,137	18,237	18,863	18,728	18,732

*Sept. 1 to Sept. 1. D - Reports discontinued with the 1982-83 pack. (a) In Misc.

U.S. PACKS OF APRICOTS

California Pack, Stock & Shipments Compiled by California League of Food Processors

Thousands of Actual Cases, Figures Rounded

1923	*1,562	1933	2,666	1943	1,256	1953	6,443	1963	5,369	1973	*5,634
1924	*2,050	1934	2,165	1944	8,030	1954	3,731	1964	6,935	1974	*2,793
1925	*2,197	1935	3,476	1945	4,238	1955	7,831	1965	6,769	1975	*6,145
1926	3,394	1936	3,135	1946	10,802	1956	5,558	1966	*6,958	1976	*3,377
1927	*3,117	1937	5,967	1947	3,342	1957	5,603	1967	*5,884	1977	*3,505
1928	*2,097	1938	1,795	1948	5,316	1958	2,554	1968	*6,594	1978	*3,019
1929	4,267	1939	3,756	1949	2,881	1959	6,818	1969	*7,851	1979	*4,170
1930	*2,069	1940	2,343	1950	4,473	1960	8,006	1970	*4,979	1980	*4,097
1931	2,116	1941	4,538	1951	5,696	1961	6,213	1971	*4,604	1981	*1,663
1932	1,895	1942	3,449	1952	5,101	1962	5,242	1972	*4,273	1982	*2,345

*California only.

CALIFORNIA PACK OF APRICOTS BY SIZE OF CONTAINER

	1980	1981	1982	1983	1984	1985	1986	1987	1988	D1989
24/2½	636	189	238	108	318	181	39	119	95	138
24/8 oz.	438	171	259	200	306	209	51	206	199	242
24/303 & 300	1,545	602	1,106	794	1,309	881	397	994	1,011	1,054
6/10	1,442	648	731	516	771	858	244	587	709	804
Misc.	38	54	11	74	.....	.....	.....	.....	.....	.....
Total a/c	4,097	1,663	2,345	1,692	2,704	2,129	731	1,906	2,014	2,238
Tot. Bas.2½'s	2,994	1,208	1,626	1,167	1,861	1,532	505	1,281	1,381	1,485

STYLE - 1982 pack (1983 in parentheses) thousands of actual cases - Halves - 2,187 (1,555); Whole Peeled - 88 (69); Whole Unpeeled - 70 (68). Report discontinued in 1984 to avoid disclosure.

APRICOTS—CARRYOVER—PACK—STOCKS—SHIPMENTS

(Thousands of Actual Cases—Figures Rounded, Season beginning year shown)

	1980	1981	1982	1983	1984	1985	1986	1987	1988	D1989
Carryover 6/1	1,056	1,527	381	316	153	724	476	55	206	378
Pack	4,097	1,663	2,345	1,692	2,704	2,129	731	1,906	2,014	2,238
Canner Supply	5,153	3,190	2,726	2,008	2,857	2,853	1,207	1,961	2,220	2,616
CANNER SHIPMENTS										
6/1 - 12/1	2,087	1,637	1,375	1,227	1,246	1,310	829	1,015	995	D
12/1 - 3/1	763	607	558	335	435	556	224	380	395	D
3/1 - 6/1	777	565	477	292	452	511	99	360	452	D
Total Shipments	3,626	2,809	2,410	1,854	2,133	2,377	1,152	1,755	1,842	D
CANNER STOCKS										
Dec. 1	3,066	1,553	1,351	781	1,611	1,543	378	946	1,225	D
Mar. 1	2,304	946	793	445	1,176	987	154	566	830	D
June 1	1,527	381	316	153	724	476	55	206	378	D
EXPORTS*	51	59.1	54.5	37.6	19.5	19.1	15.8	23.3	44.1	52.5
GOV. PURCHASES*										
Armed Forces	62.6	20.8	38.6	5.7	4.5	34.5	13.2	20.3	23.5	n.a.
U.S.D.A.	312.8	.....	16.0	.....	474.4	13.5	.....	.....	239.1	.....
Vet. Adm.	15.1	[6]15.4	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

*Basis 1,000 cases 24/2½, calendar year for exports. [6]Estimate. P - Not available at press time.
D - Data discontinued. No data available after 1989.

U.S. PACKS OF RED TART PITTED CHERRIES*

- *Source: National Food Processors Association. With Permission.*

All figures refer to thousands of Actual Cases, all size containers.

1929	1,124	1939	3,155	1947	2,397	1955	4,902	1963	1,314	1971	1,477
1931	1,498	1940	3,423	1948	3,552	1956	2,749	1964	4,812	1972	1,631
1933	1,725	1941	2,064	1949	3,445	1957	3,604	1965	3,166	1973	765
1934	1,855	1942	3,062	1950	5,023	1958	2,746	1966	1,258	1974	1,592
1935	2,563	1943	562	1951	4,672	1959	4,128	1967	1,077	1975	1,639
1936	1,450	1944	3,072	1952	3,892	1960	2,219	1968	1,600	1976	850
1937	2,472	1945	1,326	1953	3,849	1961	3,139	1969	2,112	1977	772
1938	1,695	1946	3,086	1954	3,086	1962	4,224	1970	1,392	1978	735
										1979	718

PACK OF RP CHERRIES BY AREA AND SIZE OF CONTAINER

	1980	1981	1982	1983	1984	1985	1986	1987	1988	D1989
East	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Midwest	635	277	546	232	489	474	332	605	511	541
West	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total U.S.	707	315	642	299	580	592	390	712	609	647
Total Bas. 2½'s	545	213	471	189	389	390	253	474	434	472
24/303 & 300	301	218	336	243	406	437	299	510	355	346
6/10	407	97	306	56	173	154	91	202	254	301
Misc.	.....	.....	.....	.....	.....	(a)	(a)	.....	(a)	.....

*Does not include pie filling. n.a. - In total. (a) Included in 6/10. D - Discontinued. Data after 1989 not available.

U.S. PACKS OF CANNED SWEET CHERRIES

Source: National Food Processors Association & Northwest Food Processors Assn.

All figures refer to thousands of Actual Cases, all size containers

1923	(a)990	1933	(a)860	1943	912	1953	1,755	1963	876	1973	796
1924	(a)596	1934	526	1944	932	1954	1,683	1964	1,678	1974	983
1925	(a)609	1935	535	1945	1,415	1955	2,318	1965	1,241	1975	648
1926	1,236	1936	570	1946	2,082	1956	1,216	1966	1,025	1976	717
1927	568	1937	519	1947	680	1957	1,684	1967	1,314	1977	774
1928	914	1938	730	1948	1,067	1958	1,659	1968	898	1978	766
1929	1,017	1939	1,073	1949	2,311	1959	1,104	1969	1,622	1979	973
1930	(a)1,202	1940	630	1950	1,146	1960	1,094	1970	1,065	1980	615
1931	406	1941	934	1951	1,421	1961	1,847	1971	861	1981	461
1932	(a)522	1942	1,022	1952	2,100	1962	1,839	1972	621	1982	716

(a) West only.

PACK OF SWEET CHERRIES BY AREA AND SIZE OF CONTAINER

	1980	1981	1982	1983	1984	1985	1986	1987	1988	D1989
Northwest	439	336	566	549	391	426	352	511	488	581
Other States[1]	176	125	150	210	150	162	115	152	145	113
Total U.S.	615	461	716	759	542	588	466	663	634	694
Total Bas. 2½'s	428	316	498	496	357	405	327	451	439	483
24/2½	21	11	19	18	15	18	13	12	23	(m)
24/8 oz.	17	5	20	11	m	(m)	(m)	(m)	(m)	(m)
24/303 & 300	368	301	423	551	375	360	279	420	377	414
6/10	205	135	249	174	135	193	161	214	213	235
Misc.	4	9	4	5	16	17	14	18	20	44

[1] Michigan and New York thru 1980; Michigan only 1981-1983. Midwest thereafter. (m) - Included in "Misc." D - Discontinued. Data after 1989 not available.

CALIFORNIA PACK OF FRUIT COCKTAIL

Compiled by the California League of Food Processors and Cling Peach Advisory Board

Thousands of Actual Cases, Figures Rounded

1934	1,168	1942	5,484	1950	8,570	1958	16,762	1966	24,839	1974	22,211
1935	1,650	1943	5,653	1951	10,743	1959	18,730	1967	21,335	1975	20,236
1936	2,157	1944	6,302	1952	10,971	1960	19,936	1968	26,170	1976	20,234
1937	3,152	1945	6,112	1953	12,137	1961	20,949	1969	26,039	1977	19,601
1938	1,942	1946	7,832	1954	13,461	1962	20,821	1970	19,481	1978	17,428
1939	3,563	1947	9,082	1955	14,886	1963	19,147	1971	20,562	1979	20,222
1940	4,189	1948	11,219	1956	17,485	1964	24,750	1972	17,738	1980	21,163
1941	4,989	1949	6,995	1957	16,690	1965	22,410	1973	20,030	1981	16,822

FRUIT COCKTAIL PACKS BY SIZE OF CONTAINER

	1980	1981	1982	1983	1984	1985	1986	1987	1988	D1989
24/2½*	4,385	3,302	2,274	2,299	2,525	2,467	2,391	2,435	2,551	2,538
24/8 oz.	2,006	1,452	1,421	1,017	1,338	1,339	1,410	1,581	1,782	1,928
24/300 & 303	10,445	9,690	6,921	6,388	6,298	7,033	6,382	6,988	7,724	7,802
6/10	4,327	2,378	2,302	2,180	2,386	3,486	2,782	2,697	2,469	3,394
Total	21,163	16,822	12,918	11,884	12,547	14,325	12,965	13,701	14,526	15,662
Tot. Basis 2½'s	14,826	11,383	8,722	8,223	8,671	10,058	8,976	9,344	9,724	10,651

CALIFORNIA PACKS OF FRUITS FOR SALAD AND MIXED FRUITS

Thousands of Actual Cases, Figures Rounded

	1980	1981	1982	1983	1984	1985	1986	1987	1988	D1989
24/8 oz.	143	53	59	*	*	*	*	*	*	*
24/300 & 303	2,146	1,571	2,004	926	1,985	1,865	1,180	1,661	1,695	1,782
24/2½*	521	521	250	253	418	394	289	335	156	296
6/10	1,554	1,210	1,078	603	1,040	1,144	960	1,250	1,040	1,153
Tot actual cases	4,364	3,355	3,391	1,782	3,443	3,403	2,429	3,246	2,891	3,231
Tot basis 24/2½	3,215	2,545	2,401	1,335	2,506	2,509	1,845	2,433	2,306	2,373

To avoid disclosure, packs in sizes not shown have been converted to 2½'s and included with that size.
D - Discontinued. Data after 1989 not available.

FLORIDA PACK OF GRAPEFRUIT SEGMENTS

Compiled by Florida Citrus Processors Association

Thousands of Actual Cases, Figures Rounded—Pack year beginning Oct. 1 of year shown.

1925	88	1937	3,655	1945	2,272	1953	5,070	1961	4,621	1969	3,906
1927	455	1938	4,229	1946	5,586	1954	6,081	1962	3,110	1970	3,841
1929	1,175	1939	4,073	1947	3,426	1955	5,483	1963	3,589	1971	3,113
1931	1,599	1940	3,153	1948	4,464	1956	5,001	1964	4,290	1972	2,952
1933	2,398	1941	4,410	1949	3,414	1957	4,650	1965	4,603	1973	3,349
1934	3,748	1942	897	1950	4,751	1958	5,072	1966	5,448	1974	2,436
1935	2,411	1943	985	1951	3,819	1959	4,375	1967	4,011	1975	1,710
1936	4,279	1944	485	1952	4,407	1960	4,766	1968	3,983	1976	1,873

*1925-1961 are U.S. Total figures.

PACK OF GRAPEFRUIT BY SIZE OF CONTAINER

	1973	1974	1975	1976	1977	1978	1979	1980	1981	*1982
24/8 oz.	284	174	82	157	163	158	83[1]	42[1]	63[1]	(a)
24/303	2,623	1,888	1,323	1,387	1,422	1,442	1,543	1,282	1,042	1,053
12/3 Cyl	442	374	305	326	324	368	407	387	283	234
Misc.	.....	.....	.....	2	3	.....	.....	.....	.....	.....
Total	3,349	2,436	1,710	1,873	1,912	1,969	2,033	1,711	1,388	1,287

*Reports discontinued 1983-84 season. [1] Basis 48/8 oz. (a) 48/8 oz. included in 303's.

U.S. PACKS BLENDED GRAPEFRUIT & ORANGE JUICE

Thousands of Actual Cases, Figures Rounded—Pack beginning year shown.

1935	81	1944	7,016	1953	5,577	1962	2,635	1971	1,626	1980	860
1936	266	1945	11,800	1954	4,353	1963	2,135	1972	1,710	1981	673
1937	526	1946	9,076	1955	4,580	1964	2,084	1973	1,573	1982	*514
1938	676	1947	10,568	1956	4,492	1965	2,384	1974	1,363	1983	*442
1939	1,301	1948	9,457	1957	4,140	1966	3,053	1975	2,363	1984	*491
1940	2,285	1949	6,492	1958	3,624	1967	1,809	1976	1,262	1985	*465
1941	2,043	1950	8,269	1959	3,766	1968	2,141	1977	1,557	1986	*443
1942	3,108	1951	5,615	1960	2,644	1969	1,984	1978	1,138	1987	*360
1943	5,563	1952	5,263	1961	3,288	1970	2,046	1979	1,279	1988	*340

*FLORIDA PACK OF CANNED BLENDED JUICE

	1983	1984	1985	1986	1987	1988	1989	1990
48/6 oz.	17	20	29	33	18	17	51	227
12/3 cyl.	426	471	437	400	342	323	235	244
Other (basis 24/2's).	.....	.....	.....	.....	.....	.....	.....	.....
Total	442	491	465	433	360	340	286	470
Total basis 24/2's...	555	615	477	533	449	424	334	450
Swtnd (basis 24/2's).	7	6	4	3	.....	.....	.....	.....
UnSwt (basis 24/2's).	548	609	572	531	449	424	334	450

U.S. PACKS OF GRAPEFRUIT JUICE

Thousands of Actual Cases, Figures Rounded — Pack beginning year shown.

1929	116	1941	11,051	1951	8,469	1961	9,811	1971	24,891	1981	21,383
1931	287	1942	20,061	1952	10,515	1962	8,380	1972	25,987	1982	*11,325
1933	740	1943	22,637	1953	14,638	1963	5,662	1973	26,579	1983	*9,452
1934	2,556	1944	19,261	1954	11,041	1964	9,741	1974	20,158	1984	*10,417
1935	2,236	1945	22,483	1955	12,814	1965	12,215	1975	24,544	1985	*9,906
1936	6,016	1946	15,173	1956	13,535	1966	18,377	1976	25,921	1986	*8,998
1937	8,022	1947	14,869	1957	9,335	1967	14,063	1977	25,505	1987	*7,702
1938	9,199	1948	12,803	1958	9,938	1968	17,207	1978	24,451	1988	*7,646
1939	9,657	1949	10,795	1959	9,862	1969	20,080	1979	24,223	1989	*5,737
1940	14,071	1950	16,298	1960	9,566	1970	23,854	1980	19,303	1990	*6,294

*FLORIDA PACK OF CANNED GRAPEFRUIT JUICE

	1983	1984	1985	1986	1987	1988	1989	1990
24/12 oz.	734	706	718	543	208	20	2	.....
48/6 oz.	3,452	3,807	3,701	3,552	3,158	2,808	2,017	2,052
12/3 cyl.	5,234	5,891	5,443	4,849	4,108	4,505	3,314	3,838
Other (basis 24/2's).	32	13	44	53	229	312	404	404
Total	9,452	10,417	9,906	8,998	7,702	7,646	5,737	6,294
Total basis 24/2's...	9,513	10,552	9,948	8,982	7,724	7,956	5,986	6,678
Swtnd (basis 24/2's).	224	364	267	219	171	145	119	111
UnSwt (basis 24/2's).	9,288	10,188	9,680	8,763	7,552	7,811	5,867	6,567

U.S. PACKS OF ORANGE JUICE

Thousands of Actual Cases, Figures Rounded — Pack beginning year shown.

1939	3,578	1947	23,993	1955	17,953	1963	10,639	1971	15,927	1979	19,622
1940	4,012	1948	18,039	1956	20,059	1964	13,496	1972	17,506	1980	19,146
1941	4,406	1949	17,667	1957	18,562	1965	14,145	1973	14,615	1981	15,956
1942	2,703	1950	20,871	1958	15,868	1966	17,629	1974	13,011	1982	*10,702
1943	7,372	1951	19,126	1959	18,022	1967	12,551	1975	13,262	1983	*9,832
1944	14,229	1952	17,822	1960	13,169	1968	15,691	1976	14,187	1984	*8,107
1945	19,397	1953	17,491	1961	16,146	1969	17,082	1977	16,166	1985	*8,111
1946	17,135	1954	18,771	1962	13,367	1970	16,966	1978	18,905	1986	*8,515

*FLORIDA PACK OF CANNED ORANGE JUICE

	1983	1984	1985	1986	1987	1988	1989	1990
24/12 oz.	1,363	1,089	1,097	1,019	252	38	10	.....
48/6 oz.	4,290	3,699	3,394	3,458	3,115	3,044	2,227	2,947
12/3 cyl.	4,080	3,285	3,526	3,949	3,522	4,260	3,309	3,106
Other (basis 24/2's).	99	34	95	88	509	663	919	1,195
Total	9,832	8,107	8,111	8,515	7,398	8,006	6,466	7,248
Total basis 24/2's...	9,084	7,425	7,596	8,122	7,256	8,164	6,640	7,130
Swtnd (basis 24/2's).	566	518	525	478	416	338	350	307
UnSwt (basis 24/2's).	8,518	6,907	7,071	7,644	6,840	7,826	6,290	6,823

*Florida only. Season beginning year shown. Source: Florida Citrus Processors Association.

U.S. PACKS OF PEACHES†

Source: National Food Processors Association. With Permission.
California figures compiled by California League of Food Processors and the Cling Peach Advisory Board.

Thousands of Actual Cases - Figures Rounded - Season beginning year shown

1923	7,466	1933	10,576	1943	11,450	1953	25,557	1963	38,113	1973	29,943
1924	6,331	1934	8,936	1944	14,036	1954	22,118	1964	43,951	1974	39,695
1925	10,755	1935	11,747	1945	14,675	1955	27,357	1965	34,457	1975	34,980
1926	14,482	1936	11,183	1946	20,755	1956	34,092	1966	42,950	1976	30,465
1927	11,836	1937	13,880	1947	19,496	1957	29,776	1967	32,041	1977	35,921
1928	14,975	1938	10,400	1948	18,644	1958	29,808	1968	45,822	1978	26,786
1929	8,724	1939	12,116	1949	21,443	1959	35,225	1969	45,700	1979	32,685
1930	13,803	1940	11,464	1950	18,576	1960	36,016	1970	34,290	1980	32,744
1931	8,752	1941	14,778	1951	25,826	1961	36,537	1971	31,514	1981	27,351
1932	6,633	1942	16,726	1952	22,727	1962	38,846	1972	29,321	1982	23,581

† Spiced Peaches not included.

PACKS OF PEACHES BY TYPE AND SIZE OF CONTAINER

	1980	1981	1982	1983	1984	1985	1986	1987	1988	D1989
CLINGSTONE - California										
24/8Z	1,596	1,489	1,320	1,056	1,372	1,221	1,257	1,378	1,634	1,930
24/300-303	8,693	8,753	7,758	5,992	9,304	7,363	6,593	8,143	8,995	8,793
24/2½	11,487	9,304	7,242	3,346	6,450	6,552	5,506	4,966	5,800	5,373
6/10	8,847	6,487	6,332	3,945	7,133	6,799	5,278	5,257	6,382	6,248
Misc.	.....	.....	.....	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Tot. a/c	30,624	26,033	22,652	14,339	24,259	21,935	18,634	19,744	22,811	22,344
Tot. Basis 2½	24,990	20,658	17,846	10,686	18,687	17,352	14,465	14,829	17,263	16,685
FREESTONE - All States										
24/8Z	2	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)
24/300-303	641	395	(m)	441	521	499	(m)	501	465	345
24/2½	1,130	515	(m)	290	368	650	639	683	793	553
6/10	282	(m)	(m)	195	(m)	(m)	(m)	(m)	(m)	(m)
Misc. (b)	66	408	929	37	202	161	611	122	242	188
Tot. a/c	2,120	1,318	929	965	1,090	1,310	1,250	1,307	1,500	1,086
Tot. Basis 2½	1,774	1,105	799	731	825	1,049	1,041	1,069	1,249	919
ALL PEACHES										
Tot. a/c	32,744	27,351	23,581	15,304	25,349	23,245	19,884	21,051	24,311	23,430
Tot. Basis 2½	26,765	21,763	18,645	11,417	19,512	18,401	15,506	15,898	18,512	17,604

(m) In Miscellaneous. (a) Packs of misc. sizes may be included with 2½'s to avoid disclosure of confidential information. (b) Includes bulk sizes converted to 6/10. D - Discontinued. Data after 1989 not available.

CANNED PEACHES—CARRYOVER—PACK—STOCKS—SHIPMENTS

Thousands of Actual Cases — Figures Rounded.Season beginning year shown

	1980	1981	1982	†1983	†1984	†1985	†1986	†1987	†1988	†1989
Carryover 6/1	6,951	9,359	10,484	7,034	1,729	5,847	7,232	4,073	1,913	3,201
Pack	32,744	27,351	23,581	14,339	24,259	21,935	18,634	19,744	22,811	22,344
Canner Supply	39,695	36,710	34,066	21,373	25,988	27,782	25,866	23,817	24,724	25,545
CANNER SHIPMENTS										
6/1-12/1	16,231	12,607	13,927	11,933	10,399	9,000	10,991	12,160	11,116	10,061
12/1-3/1	6,366	6,488	6,699	3,825	4,933	5,236	5,490	5,190	5,316	D
3/1-6/1	7,739	7,131	6,175	3,885	4,809	6,314	5,312	4,554	5,091	D
Total Ship	30,336	26,226	26,801	19,644	20,141	20,550	21,793	21,904	21,523	D
CANNER STOCKS										
Dec. 1	23,464	24,103	20,139	9,440	15,589	18,782	14,875	11,657	13,608	15,484
Mar. 1	17,098	17,616	13,440	5,615	10,656	13,546	9,385	6,467	8,292	D
June 1	9,359	10,484	7,265	1,729	5,847	7,232	4,073	1,913	3,201	D
EXPORTS**	2,818	2,689	1,885	1,329	675	511	876	761	903	778
GOVMT. PURCHASES**										
ARMED Forces	271.1	148.6	142.5	138.2	116.2	162.1	135.0	95.5	149.4	207.4
USDA	1,196.0	1,881.9	1,482.7	809.3	705.0	606.5	703.7	756.8	409.5	[1]584.1
Vet Admin	38.4	40.0	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

**Basis 1,000 cases 24/2½. Calendar year for Exports. n.a. - Not available. † California clingstone only. Not comparable to years prior to 1983. D - Reports discontinued. [1]July 1, 1989 thru 3/31/90.

U.S. PACKS OF PEARS

Compiled by Economics & Statistics Div., Nat'l. Food Processors Assn.; beginning in 1981 by the Northwest Food Processors Assn. and the California League of Food Processors.

Thousands of Actual Cases, Figures Rounded

1923	*1,837	1933	4,997	1943	4,648	1953	7,923	1963	7,572	1973	13,641
1924	*2,205	1934	6,163	1944	4,802	1954	10,717	1964	15,287	1974	14,937
1925	4,108	1935	4,944	1945	4,625	1955	11,516	1965	8,509	1975	13,152
1926	*3,418	1936	6,365	1946	5,547	1956	12,086	1966	15,264	1976	15,541
1927	3,061	1937	5,411	1947	5,986	1957	11,725	1967	8,142	1977	13,511
1928	*4,315	1938	5,198	1948	4,744	1958	10,566	1968	14,320	1978	12,297
1929	4,981	1939	5,102	1949	6,924	1959	12,679	1969	14,736	1979	14,336
1930	4,594	1940	6,028	1950	8,139	1960	11,483	1970	11,080	*1980	14,474
1931	3,932	1941	7,166	1951	9,003	1961	12,098	1971	14,154	1981	13,012
1932	3,672	1942	6,423	1952	8,187	1962	12,684	1972	12,299	1982	10,419

*West only.

PACK OF PEARS BY STATE AND SIZE OF CONTAINER

	1979	1980	1981	1982	1983	1984	1985	1986	1987	D1988
Northwest	9,956	9,798	9,200	8,080	9,752	10,415	10,481	9,719	12,387	12,410
California	4,380	4,676	3,812	2,339						
Total U.S. A/C	14,336	14,474	13,012	10,419	9,752	10,415	10,481	9,719	12,387	12,410
Tot. Bas. 2½	10,568	10,928	9,700	7,789	7,214	7,657	7,813	7,209	9,125	9,169
24/8Z	1,462	1,064	925	826	693	892	830	787	989	983
24/303*	5,482	5,515	5,352	4,016	4,120	4,343	4,121	3,883	5,101	4,987
24/2½	2,892	2,689	2,342	1,639	1,688	1,769	1,895	1,700	1,877	1,677
6/10	4,501	5,206	4,393	3,938	3,232	3,398	3,617	3,334	4,403	4,741
Miscellaneous	.....	.....	.....	.....	19	13	18	15	17	22

*Includes 300 and No. 1 Tall.   D - Data discontinued prior to 1989 pack report.

U.S PACKS OF PURPLE PLUMS

Compiled by Economics & Statistics Div., Nat'l Food Processors Assn. & Northwest Food Processors Assn.

Thousands of Actual Cases, Figures Rounded

1934	1,035	1942	1,085	1950	1,018	1958	1,531	1966	1,730	1974	1,488
1935	1,695	1943	1,760	1951	2,603	1959	1,974	1967	2,163	1975	1,697
1936	1,818	1944	1,117	1952	1,735	1960	456	1968	871	1976	1,243
1937	1,617	1945	1,647	1953	1,467	1961	1,959	1969	2,651	1977	1,032
1938	704	1946	3,576	1954	1,835	1962	2,402	1970	977	1978	1,128
1939	2,213	1947	1,851	1955	1,930	1963	1,380	1971	1,442	1979	896
1940	1,161	1948	937	1956	2,540	1964	1,794	1972	461	1980	1,305
1941	1,948	1949	1,806	1957	1,200	1965	1,996	1973	1,564	1981	1,157

PURPLĒ PLUM PACKS BY STATE & SIZE OF CONTAINER

	1980	1981	1982	1983	1984	1985	1986	1987	1988	D1989
Northwest	826	707	333	228	423	516	491	385	524	416
Michigan	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Other States	480	451	146	321	303	280	141	205	186	473
Total U.S.	1,305	1,157	479	549	726	796	778	590	710	889
Tot Basis 24/2½'s	1,066	940	375	443	577	642	632	488	592	754
24/8Z	26	27	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
24/303 & 300	414	358	178	184	263	261	260	172	196	200
24/2½	354	232	82	90	114	99	134	110	115	97
6/10	511	540	204	268	338	426	381	304	397	591
Miscellaneous	.....	.....	15	6	11	10	3	4	1	1

(a) Included in Other States or Miscellaneous.   D - Discontinued. Data after 1989 not available.

U.S. PACKS OF CANNED FISHERY PRODUCTS

Source: National Marine Fisheries Service, N.O.A.A., U.S. Department of Commerce

Thousands of Pounds—Figures Rounded

1933	518,996	1944	658,660	1955	843,696	1966	1,187,547	1977	1,421,295
1934	681,304	1945	646,386	1956	977,763	1967	1,189,392	1978	1,597,329
1935	647,642	1946	699,378	1957	987,602	1968	1,267,025	1979	1,439,080
1936	769,573	1947	754,129	1958	1,094,602	1969	1,168,281	1980	1,516,097
1937	717,270	1948	782,208	1959	969,135	1970	1,345,891	1981	1,476,198
1938	649,413	1949	855,015	1960	1,083,418	1971	1,328,816	1982	1,283,376
1939	688,270	1950	967,115	1961	1,042,740	1972	1,596,830	1983	1,390,795
1940	681,194	1951	800,509	1962	1,133,710	1973	1,647,357	1984	1,410,968
1941	885,962	1952	809,495	1963	1,035,909	1974	1,554,006	1985	1,161,146
1942	660,342	1953	792,194	1964	1,095,566	1975	1,382,428	1986	1,332,033
1943	620,880	1954	862,523	1965	1,121,629	1976	1,565,157	1987	1,185,653

PACK & VALUE CANNED FISHERY PRODUCTS BY SPECIES

FOR HUMAN CONSUMPTION

Thousands of Standard Cases—Thousands of Dollars

	Pounds Per Case	1985	1986	1987	1988	1989	1990	†1991
Gefiltefish	48	469	488	492	(c)	(c)	(c)	(c)
Value		13,702	19,045	20,623	(c)	(c)	(c)	(c)
Herring	**23.4	62	141	157	185	206	250	249
Value		5,599	11,000	12,632	6,032	7,224	9,725	8,402
Mackerel	45	341	376	325	402	392	521	195
Value		6,614	6,596	5,777	8,777	6,983	10,500	3,421
Roe & Caviar	48	17	16	11	11	169	(c)	(c)
Value		3,356	3,505	2,730	3,023	9,622	(c)	(c)
Salmon	48	3,311	2,953	2,192	1,842	4,105	4,091	4,078
Value		227,635	265,088	261,924	219,363	513,622	365,979	412,936
Salmon Specialties	48	5	6	3	4	107	3	5
Value		1,020	1,277	806	831	9,957	733	1,181
Sardines, Maine	23.4	855	668	561	796	565	566	598
Value		37,784	27,736	22,420	24,082	16,799	17,301	18,746
Tuna	*19.5	27,951	32,663	33,539	30,678	35,198	29,779	30,408
Value		820,769	881,518	1,016,443	960,203	1,057,762	902,014	876,552
Tuna Specialties	48	127	259	(b)	(b)	(b)	(b)	(b)
Value		4,460	14,378	44	37	26	22	24
Other Fish	48	181	486	308	725	369	391	326
Value		9,654	10,477	12,896	31,002	16,517	19,197	19,776
Total Fish		33,320	38,055	37,586	34,642	41,110	35,600	35,859
Value		1,130,593	1,240,620	1,356,295	1,253,356	1,638,512	1,325,471	1,341,038
Clams[1]	15	1,668	1,432	1,282	1,834	2,364	2,323	2,477
Value		53,420	50,330	35,516	42,175	44,357	41,385	43,425
Clam Chowder & Juice	30	2,484	2,733	2,959	3,027	2,938	2,174	2,672
Value		42,281	56,092	45,796	48,566	37,781	27,772	31,490
Clam Specialties	48	364	267	182	191	234	200	244
Value		13,617	11,194	6,585	6,982	9,229	7,319	9,029
Crabs, Natural	19.5	28	30	10	18	26	36	4
Value		1,713	2,392	936	1,789	3,039	3,810	283
Lobster & Specialties	48	19	19	18	22	20	17	17
Value		1,238	1,270	1,030	1,053	931	887	615
Oysters[2]	7	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Value		(a)	(a)	(a)	(a)	(a)	(a)	(a)
Oyster Specialties	48	46	70	78	64	75	13	31
Value		1,797	3,790	2,497	2,049	1,254	534	1,595
Shrimp[3]	6.75	593	681	649	663	389	105	94
Value		18,959	23,187	22,429	24,904	8,753	2,878	3,837
Shrimp Specialties	48	25	19	19	26	10	(b)	.....
Value		1,161	952	988	1,774	622	12	.....
Other Shellfish	48	[4]136	[4]129	97	157	351	125	337
Value		4,532	4,705	4,407	5,419	9,058	4,778	8,050
Total Shellfish		5,363	5,380	5,295	6,003	6,407	4,994	5,877
Value		138,718	153,912	120,184	134,711	115,024	89,375	98,324
Total Human Consumption		38,683	43,435	42,881	40,645	47,518	40,594	41,736
Value		1,269,311	1,394,532	1,476,479	1,388,067	1,753,536	1,414,846	1,439,362
Total Bait & Animal Food	48	5,168	6,687	4,597	4,644	7,197	4,611	8,426
Value		91,003	100,377	85,416	92,722	238,343	146,947	204,917
Total All - Cases (000's)		43,852	50,122	47,478	45,290	54,715	45,205	50,162
Value (000's)		1,360,314	1,494,909	1,561,895	1,480,789	1,991,879	1,561,793	1,644,279
Pounds (000's)		1,161,146	1,332,033	1,185,653	1,131,607	1,455,252	1,178,282	1,385,715

† Preliminary. *Flakes & Graded Tuna 18 lbs. per case. Prior to 1985 solid pack basis 21 lbs. per case. **Prior to 1988 48 lbs. per case. (a) Included with Specialties. (b) Less than 500 cases. (c) Included with "Other Fish". [1] Whole & Minced Clams. Drained Weight. [2] Includes Specialties. [3] Drained Weight. [4] Includes crab specialties as follows: 1985-8,836; 1986-10,206, and squid 1985-76,246.

U.S. TOTAL CANNED SALMON PACKS

Thousands of Standard Cases, Basis 48 1-lb. Cans—Figures Rounded

1927	5,077	1936	8,965	1945	4,908	1954	4,163	1963	3,295	1972	1,935
1928	6,927	1937	7,555	1946	4,510	1955	3,289	1964	3,759	1973	1,495
1929	6,991	1938	7,280	1947	5,641	1956	3,505	1965	3,634	1974	1,829
1930	6,086	1939	5,992	1948	4,825	1957	3,207	1966	4,358	1975	1,555
1931	6,740	1940	5,605	1949	5,525	1958	3,732	1967	2,072	1976	2,611
1932	5,909	1941	7,832	1950	4,310	1959	2,466	1968	3,448	1977	2,827
1933	6,362	1942	5,835	1951	4,646	1960	2,912	1969	2,551	1978	3,095
1934	8,383	1943	5,704	1952	4,464	1961	3,697	1970	3,822	1979	3,100
1935	6,028	1944	5,139	1953	3,912	1962	3,837	1971	3,509	1980	4,166
										1981	4,476

CANNED SALMON PACK BY VARIETY BY AREA — VALUE

Thousands of Standard Cases and Dollars—Figures Rounded

	1982	1983	1984	1985	1986	1987	1988	1989	1990	†1991
CHINOOK OR KING										
Alaska	1	8	2	3	1	n.a.	n.a.	n.a.	n.a.	n.a.
Washington	(b)	(b)	(b)	1	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Oregon	(b)	(b)	(b)	(d)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total	2	8	3	3	2	4	2	5	3	2
Value	n.a.	n.a.	241	275	264	426	353	654	471	70
CHUM or KETA										
Alaska	191	270	336	161	159	n.a.	n.a.	n.a.	n.a.	n.a.
Washington(f)	1	(b)	(b)	(e)	(e)	n.a.	n.a.	n.a.	n.a.	n.a.
Oregon	.....	.....	.....	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total	192	271	337	161	159	167	196	169	127	139
Value	n.a.	n.a.	17,655	10,397	10,613	13,701	27,597	18,290	11,755	11,115
PINK										
Alaska	1,746	2,042	2,614	2,516	2,273	n.a.	n.a.	n.a.	n.a.	n.a.
Washington(f)	18	19	13	164	68	n.a.	n.a.	n.a.	n.a.	n.a.
Oregon	.....	.....	.....	(d)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total	1,764	2,061	2,627	2,681	2,341	1,363	1,374	3,188	2,758	3,035
Value	n.a.	n.a.	176,352	158,713	175,502	132,744	138,131	361,675	201,762	255,334
RED or SOCKEYE										
Alaska	298	1,381	1,096	446	392	n.a.	n.a.	n.a.	n.a.	n.a.
Washington(f)	48	6	24	3	2	n.a.	n.a.	n.a.	n.a.	n.a.
Oregon	.....	.....	.....	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total	345	1,387	1,119	449	395	640	231	707	1,165	867
Value	.n.a.	n.a.	121,414	56,486	71,918	112,885	46,584	127,761	148,053	142,540
SILVER or COHO										
Alaska	27	45	56	17	55	n.a.	n.a.	n.a.	n.a.	n.a.
Washington(f)	5	2	3	1	1	n.a.	n.a.	n.a.	n.a.	n.a.
Oregon	(b)	(b)	(b)	(d)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total	32	48	[1]58	18	57	18	39	36	38	35
Value	n.a.	n.a.	4,752	1,763	6,791	2,168	6,698	5,242	3,938	3,877
TOTAL ALL VARIETIES										
Alaska	2,263	3,746	4,104	3,143	2,880	n.a.	n.a.	n.a.	n.a.	n.a.
Washington(f)	72	28	40	168	73	n.a.	n.a.	n.a.	n.a.	n.a.
Oregon	(b)	(b)	(b)	(d)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Grand Total	2,335	3,774	4,144	3,311	2,953	2,192	1,842	4,105	4,091	4,078
Value	173,879	307,475	320,414	227,634	265,088	261,924	219,363	513,622	365,979	412,936

(b) Less than 500 cases. (d) Included in Washington. (e) Included with Chinook. (f) Includes all production outside of Alaska beginning 1985. n.a. - Not available. [1] Includes small amount of steelhead. † Preliminary.

U.S. SUPPLY OF CANNED SALMON

Thousands of Pounds—Canned weight

Year	U.S. pack	Imports	Total	Exports		Total supply
				Domestic	Foreign	
1982	112,100	150	112,250	41,156	111	70,991
1983	181,166	277	181,443	54,488	422	126,533
1984	198,926	551	199,477	48,963	245	150,269
1985	158,943	1,958	160,901	48,240	39	112,622
1986	141,756	4,622	146,378	59,434	(1)	86,944
1987	105,206	6,652	111,858	35,901	207	75,750
1988	88,419	3,528	91,947	32,900	93	58,954
1989	197,044	2,943	199,987	40,415	82	159,490
1990	196,383	1,378	197,761	49,400	146	148,215
1991	195,744	983	196,727	66,019	115	130,593

(1) Less than 500 lb. *Records--1936 U.S. pack: 430,328,000 lb; 1959 imports: 31,154,000 lb, 1980 domestic exports: 74,006,000 lb.

U. S. PACKS OF CANNED TUNA*

Thousands of Standard Cases — Basis 48 No. ½
Solid Pack 7 oz., Chunks 6½ oz., Flakes or Grated 6 oz.

1927	1,256	1937	3,145	1947	5,894	1957	11,903	1967	19,993	1977	28,134
1928	1,216	1938	2,754	1948	7,038	1958	14,205	1968	20,226	1978	35,816
1929	1,504	1939	3,643	1949	7,290	1959	14,389	1969	20,350	1979	31,402
1930	2,011	1940	4,188	1950	9,017	1960	15,320	1970	22,203	1980	30,509
1931	1,217	1941	2,932	1951	8,237	1961	15,927	1971	22,490	1981	31,754
1932	1,206	1942	2,485	1952	9,121	1962	17,050	1972	31,547	1982	27,087
1933	1,443	1943	2,696	1953	9,580	1963	16,627	1973	32,640	1983	29,941
1934	1,967	1944	3,560	1954	10,889	1964	17,714	1974	33,758	1984	31,046
1935	2,511	1945	4,532	1955	9,938	1965	18,143	1975	27,462	1985	27,951
1936	2,681	1946	4,784	1956	11,834	1966	20,183	1976	30,468	1986	32,663

Thousands of Standard Cases and Millions of Dollars

	†1982	†1983	†1984	1985	1986	1987	1988	1989	1990	1991
ALBACORE										
Solid	5,216	4,218	5,645	5,974	7,268	6,291	5,895	6,063	5,751	5,296
Chunk	735	823	854	762	786	881	829	977	1,012	945
Flakes & Grated	69	86	86	36	16	2	(l)	(l)	(l)	(l)
Total Albacore	6,021	5,127	6,585	6,772	8,070	7,174	6,724	7,040	6,763	6,241
Value Albacore	275	197	256	270	321	312	317	345	327	281
Cont'l. US	954	[2]767	[2]998	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Hawaii & Terr.	5,066	4,360	5,587	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
LIGHTMEAT										
Solid	1,807	417	407	407	345	1,131	442	556	484	392
Chunk	19,173	24,309	24,012	20,772	24,199	25,222	23,486	27,535	22,472	23,659
Flakes & Grated	87	88	42	(a)	49	12	26	67	60	116
Total Lightmeat	21,067	24,814	24,461	21,179	24,593	26,365	23,954	28,158	23,016	24,167
Value Lightmeat	643	662	616	551	561	704	643	712	575	596
Cont'l. US	9,427	[2]9,128	[2]5,634	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Hawaii & Terr.	11,639	15,686	18,828	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
ALL TUNA										
Solid	7,023	4,635	6,052	6,381	7,613	7,422	6,337	6,619	6,235	5,688
Chunk	19,908	25,132	24,866	21,534	24,985	26,103	24,315	28,512	23,484	24,604
Flakes & Grated	157	174	127	36	65	14	26	67	60	116
Total Tuna	27,087	29,941	31,046	27,951	32,663	33,539	30,678	35,198	29,779	30,408
Value Tuna	918	859	872	821	882	1,016	960	1,058	902	877
Cont'l. US	10,382	9,895	6,631	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Hawaii & Terr.	16,706	20.046	24,415	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

(a) Included with Albacore. (l) Albacore Flakes & Grated included with Lightmeat beginning 1988.
[2]Packs of Flakes & Grated fish included with Hawaii & Terr. *Tuna like fishes excluded beginning 1979.
† Not strictly comparable with later years. Basis of data for solid pack changed from 21 to 19.5 lb. standard cases.

U.S. SUPPLY OF CANNED TUNA

Canned weight

Year	Domestic production				Imported Canned		Total supply
	Albacore		Lightmeat				
	Thousand pounds	Percent	Thousand pounds	Percent	Thousand pounds	Percent	Thousand pounds
1982	125,113	20.0	413,390	66.0	87,579	14.0	626,082
1983	106,175	14.9	484,367	67.9	122,329	17.2	712,871
1984	136,745	17.6	477,536	61.5	162,313	20.9	776,594
1985	132,001	17.4	412,992	54.4	213,948	28.2	758,941
1986	157,341	18.0	479,490	54.9	236,621	27.1	873,452
1987	139,[illegible]	16.2	514,095	59.4	211,685	24.5	865,668
1988	131,114	15.6	467,067	55.4	244,504	29.0	842,685
1989	137,284	13.3	548,983	53.1	*348,212	33.6	*1,034,479
1990	131,879	15.2	448,722	51.9	284,593	32.9	865,194
1991	121,700	12.9	471,083	49.9	351,744	37.2	944,527

*Record. Record--1978 U.S.Pack: 704,793,000 lb.

PACKS OF CANNED MEAT PRODUCTS†

Source: USDA, FSIS—Courtesy & Cooperation, American Meat Institute
Thousands of Pounds Processed Under Federal Inspection—Calendar year

	1978	1979	1980	*1981	1982	1983	1984	1985	1986	D1987
Luncheon Meat...	278,572	278,501	271,320	259,798	221,599	205,722	182,885	157,329	163,355	149,364
Canned Hams....	271,991	287,809	308,282	246,844	194,003	190,348	155,186	120,725	95,078	105,287
Hash Products...	84,984	80,640	83,525	72,832	74,353	87,807	96,690	69,072	107,753	99,566
Chili Con Carne...	335,717	333,621	343,395	312,262	312,223	329,296	309,561	302,902	317,240	353,736
Vienna Sausage...	116,035	98,050	89,643	96,736	84,952	90,792	86,763	80,513	89,492	111,506
Franks & Wieners in Brine.......	2,664	2,055	1,241	1,420	1,752	955	828	1,740	1,653	1,952
Deviled Ham.....	15,350	12,746	11,692	12,291	10,802	9,746	8,142	8,718	8,097	9,310
Potted Products & Spreads.....	45,680	39,798	37,381	38,291	33,576	32,864	34,790	27,612	30,085	32,139
Tamales.........	29,863	35,008	31,324	21,992	21,970	19,889	19,226	23,279	19,580	19,011
Sl. Dr. Beef......	4,810	3,715	3,025	2,878	3,257	3,536	2,772	1,374	1,749	2,101
Chopped Beef-Hamburger . (a)	8,277	1,677	7,229	12,126	11,836	11,566	12,535	11,707	11,705	10,836
Corned Beef... (a)	1,874	1,677	887	828	795	810	379	823	17,074	1,786
Meat Stew.......	156,097	145,114	138,830	125,915	131,975	152,296	145,917	146,771	140,088	169,297
Pasta Meat Products	426,362	436,107	392,590	379,786	382,232	384,301	435,173	450,072	332,811	482,040
Misc. Sausage Products	28,181	26,728	23,986	27,045	21,922	21,115	20,936	16,537	11,304	16,170
Soups...........	789,291	741,884	678,918	569,071	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Vinegar Pickled Products	19,361	17,854	18,684	16,321	13,971	14,256	14,634	10,960	4,978	8,817
By Products, Not Pickled....	4,613	7,256	4,592	3,097	2,850	3,192	2,913	2,278	2,025	2,439
Pork Pic./Loins...	15,673	12,645	23,374	15,132	8,016	22,315	16,996	7,387	1,863	4,011
Other-20% or More Meat.....	175,631	169,105	179,685	133,303	126,051	162,812	171,372	123,072	122,161	101,985
Other-Less than 20% (ex. soup)...	314,618	279,364	316,035	434,552	370,872	316,784	276,334	253,259	233,564	260,395
Total (million lbs.).	3,126	3,011	2,966	2,856	**2,029	**2,061	**1,994	**1,816	**1,711	**1,942

† Includes all government purchases. *53 weeks. **Excludes Soups. D - Data discontinued in 1988.

PACKS OF SELECTED CONVENIENCE FOOD MEAT PRODUCTS

Source: USDA, FSIS—Courtesy & Cooperation, American Meat Institute
Thousands of Pounds Processed Under Federal Inspection—Calendar year

	1983	1984	1985	1986	D1987
Pizza..	487,598	578,965	616,555	666,531	772,843
Pies...	223,021	214,971	331,214	319,232	209,612
Dinners..	237,725	284,798	206,524	268,690	214,383
Entrees..	453,296	458,751	624,164	578,468	425,535

D - Data discontinued in 1988.

U.S. FROZEN FRUIT AND VEGETABLE PACKS

Compiled by The American Frozen Food Institute

Thousands of Pounds

NOTE: Data represents calendar year production by final container size (after repack). Over the span of eight to ten years shown, there have been shifts in both regional production and containerization so that some overlap is inevitable. "Other Uses" appearing under size classification represent initially frozen vegetable weight going into combination vegetables, canned veg. and prepared foods. The occasional minus values shown in parentheses represent the amount of carryover that was repacked into smaller containers and/or imported product repacked in the U.S.

TOTAL UNITED STATES VEGETABLE PACKS*

1942	152,512	1951	770,038	1960	1,958,621	1969	3,915,231	1978	6,560,733
1943	207,872	1952	895,719	1961	2,116,041	1970	4,316,731	1979	6,875,159
1944	237,092	1953	1,103,270	1962	2,264,116	1971	4,574,361	1980	6,269,229
1945	307,977	1954	974,628	1963	2,322,376	1972	4,874,561	1981	6,972,328
1946	450,000	1955	1,139,695	1964	2,639,199	1973	5,158,398	1982	7,531,198
1947	346,208	1956	1,533,038	1965	2,933,108	1974	5,473,141	1983	7,153,705
1948	446,358	1957	1,366,565	1966	3,364,386	1975	5,212,966	1984	7,681,008
1949	563,499	1958	1,433,244	1967	3,507,625	1976	5,491,035	1985	8,248,960
1950	587,101	1959	1,626,601	1968	3,857,840	1977	6,245,809	1986	8,122,548

*Includes potatoes beginning 1953. Vegetable mixes excluded 1965 and thereafter.

PACKS OF FROZEN VEGETABLES BY COMMODITY

Item	1984	1985	1986	1987	1988	1989	1990	1991
Artichokes	1,643	1,202	1,417	1,451	1,052	1,542	1,326	1,273
Asparagus	15,099	19,990	18,008	16,725	18,055	19,741	17,737	13,595
Beans, Green	260,043	281,469	256,716	252,750	235,986	343,176	342,700	317,377
Beans, Gr. Italian	22,665	24,511	25,430	24,819	20,519	29,712	27,160	22,866
Beans, Wax	8,487	10,034	5,386	4,379	5,465	7,665	9,311	8,048
Beans, Lima	122,479	117,057	100,855	102,350	103,258	120,734	145,753	89,989
Beans, Speck Butter	7,901	6,671	7,040	5,713	6,373	7,389	8,148	9,528
Broccoli	365,764	356,806	324,519	312,460	289,446	290,566	258,755	174,470
Brussels Sprouts	50,449	44,735	37,990	45,660	49,787	46,557	38,482	34,619
Carrots	255,585	254,586	270,363	294,596	294,673	358,848	328,781	318,001
Cauliflower	102,106	94,617	89,120	77,758	78,762	109,822	80,081	69,229
Celery	17,062	15,839	18,729	21,640	24,817	31,029	38,451	28,383
Collards	12,968	15,708	19,454	17,930	15,204	17,855	20,676	15,968
Corn, cut	323,977	360,297	364,891	433,158	423,339	502,980	518,330	553,499
Corn, on cob	349,666	423,326	391,954	406,859	345,869	436,301	450,490	440,540
Kale	3,335	5,167	4,175	4,792	2,862	4,208	4,196	4,645
Mixed Vegetables*	162,558	178,351	184,730	185,172	205,024	191,548	180,822	172,393
Mushrooms	24,457	28,669	32,410	37,372	32,713	35,084	24,909	26,143
Mustard Greens	8,508	11,222	11,768	11,556	9,266	12,329	10,027	10,710
Okra	54,579	51,815	73,160	70,472	65,708	60,005	64,748	66,295
Onion rings†	117,376	91,895	127,592	136,792	147,233	158,583	†164,794	†143,286
Onions, other	39,106	50,113	57,866	48,399	51,683	50,179	78,331	83,200
Peas, blackeye	28,207	31,675	22,586	29,003	30,158	33,500	30,414	27,277
Peas, Green	423,740	485,985	373,605	400,231	358,779	469,404	482,910	488,467
Peas & Carrots*	31,998	34,887	36,436	37,063	37,653	38,850	35,798	35,226
Peas & Onions*	9,477	11,174	9,692	8,002	9,523	8,521	7,302	7,800
Peppers, Gr. & Red	25,586	20,922	22,958	23,043	29,673	30,735	36,585	47,313
Pumpkin & Sq.	15,824	20,734	22,319	30,393	23,870	21,538	22,445	20,782
Rhubarb	5,271	6,647	6,106	6,211	8,082	8,730	9,116	7,458
Spinach	171,249	174,802	157,119	171,208	172,849	159,891	211,784	141,644
Squash, Summer	66,467	67,458	75,994	70,999	69,961	74,716	69,631	49,448
Stew Vegetables*	19,877	20,201	19,536	18,346	18,582	16,283	17,611	14,381
Succotash*	5,479	6,841	7,083	7,011	7,210	5,871	5,413	5,307
Swt. Pot. & Yams	13,749	18,677	13,683	11,871	20,044	26,380	19,772	12,370
Turnip Greens	10,299	14,446	14,371	17,205	17,003	17,024	17,972	16,646
Turnips, Tur.Gr/Tur.	19,215	20,639	19,417	16,513	21,919	24,563	19,603	19,005
Misc. Veg.	5,252	3,144	6,399	8,291	12,608	11,399	16,378	16,877
Total Vegetables*	2,948,114	3,130,858	2,973,400	3,112,599	2,987,016	3,522,185	3,569,796	3,278,951
Tot. Potato Prod.	4,732,894	5,118,102	5,149,148	5,287,634	5,763,671	5,998,312	6,358,968	6,498,915
Tot. Veg. & Pot.	7,681,008	8,248,960	8,122,548	8,400,233	8,750,687	9,520,497	9,928,764	9,777,866

*Repack—Quantities of component products are included in the individual product figures of this table which represent first freezing. The figures themselves are Repacks not included in "Total Vegetables". †1990 and later not comparable to earlier years.

TOTAL FROZEN VEGETABLE PACKS BY REGION

Thousands of Pounds

	1984	1985	1986	1987	1988	1989	1990	1991
East	492,107	755,814	714,280	663,248	524,165	682,631	766,524	695,102
South	282,053	326,029	356,759	375,207	409,422	374,705	348,814	299,795
Midwest	1,134,522	1,280,342	1,345,198	1,297,447	1,362,579	1,342,171	1,756,535	2,085,672
West	5,772,326	5,886,775	5,706,311	6,064,331	6,454,521	7,120,990	6,892,097	6,554,011
Total US	7,681,008	8,248,960	8,122,548	8,400,233	8,750,687	9,520,497	9,763,970	9,634,580

EAST: Conn., Del., Me., Md., Mass., N.J., N.Y. and Pa. SOUTH: Ala., Ark., Fla., Ga., Ky., La., Miss., Mo., N.C., Okla., Tenn., Tex. and Va. Includes South Carolina beginning 1986. MIDWEST: Ill., Ind., Mich., Minn., Neb., No. Dak., So. Dak., Ohio and Wis. WEST: Calif., Colo., Idaho, Mont., New Mex., Ore., Utah, Wash. and Wyoming. Includes Arizona beginning 1984.

FROZEN ASPARAGUS PACKS IN THE U.S.

Thousands of Pounds—*Compiled by The Almerican Frozen Food Institute*

1942	5,769	1949	18,422	1956	37,674	1963	30,315	1970	25,925	1977	22,474
1943	9,619	1950	22,309	1957	31,201	1964	31,054	1971	29,959	1978	15,427
1944	12,339	1951	23,562	1958	24,365	1965	30,867	1972	33,574	1979	23,989
1945	20,638	1952	25,460	1959	32,739	1966	34,532	1973	20,157	1980	11,232
1946	28,316	1953	32,945	1960	40,026	1967	32,460	1974	16,190	1981	11,289
1947	10,737	1954	25,780	1961	34,157	1968	34,355	1975	18,409	1982	16,958
1948	18,321	1955	28,669	1962	30,810	1969	23,033	1976	23,750	1983	13,599

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
BY REGION										
Ea., So., MW	†	†	n.a.	†	†	5,048	5,110	6,660	4,042	4,104
California	8,107	4,652	n.a.	8,840	11,149	*11,677	*12,945	13,081	13,695	9,491
Washington	8,851	8,947	n.a.	11,150	6,859	*	*	*	*	*
BY STYLE										
Spears	9,681	7,563	7,776	9,778	8,126	7,770	10,475	10,123	10,429	6,462
Cuts & Tips	7,277	6,036	7,323	10,212	9,882	8,955	7,580	9,618	7,308	7,133
SIZE CLASSIFICATION										
Retail	4,090	4,666	4,263	5,201	5,253	6,188	6,950	6,218	5,909	4,356
Food Service	11,502	8,134	8,168	9,102	6,781	5,327	6,116	6,922	6,369	5,072
Bulk	1,366	799	2,668	5,687	5,974	5,210	4,989	6,601	5,459	4,167
Total Pack	16,958	13,599	15,099	19,990	18,008	16,725	18,055	19,741	17,737	13,595

† Ea., So. & MW included in Washington thru 1986. *Beginning 1987 Washington included with California.
n.a. - Not available.

FROZEN GREEN BEAN PACKS IN THE U.S.

Thousands of Pounds—*Compiled by The American Frozen Food Institute*

1942	13,784	1949	58,524	1956	137,744	1963	156,320	1970	199,203	1977	230,248
1943	24,491	1950	65,529	1957	134,361	1964	173,794	1971	211,601	1978	263,245
1944	23,753	1951	81,650	1958	156,006	1965	177,218	1972	243,576	1979	262,708
1945	31,460	1952	87,438	1959	138,527	1966	217,914	1973	267,852	1980	235,182
1946	40,975	1953	114,781	1960	148,751	1967	224,848	1974	239,872	1981	248,193
1947	30,911	1954	123,253	1961	170,256	1968	207,910	1975	208,185	1982	285,029
1948	49,583	1955	120,968	1962	154,368	1969	184,766	1976	179,353	1983	255,832

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
PACK BY REGION*										
East & South	113,386	97,184	131,635	147,493	120,107	141,028	124,582	168,274	186,816	94,673
Midwest	30,783	32,367	(b)	(b)	(b)	(b)	(b)	(b)	(b)	82,435
Northwest	140,860	126,281	128,408	133,976	136,609	111,722	111,404	174,902	155,884	140,269
California	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
BY STYLE										
Regular cut	190,658	162,699	158,413	179,349	170,694	159,027	145,187	237,853	221,768	221,306
French cut	82,485	78,825	81,355	82,544	63,892	67,297	65,138	73,682	85,994	62,437
Whole[1]	11,886	14,308	20,275	19,576	22,130	26,426	25,661	31,641	34,938	33,634
SIZE CLASSIFICATION										
Retail	95,820	99,602	105,257	111,991	104,157	105,010	99,710	97,487	99,886	79,760
Food Service	54,600	56,387	51,994	50,242	53,496	53,328	50,835	57,758	70,172	68,610
Bulk	98,104	69,215	72,254	68,135	61,072	57,791	51,308	150,155	131,094	135,141
Subtotal	248,524	225,204	229,505	230,368	218,725	216,129	201,853	305,400	301,152	283,511
Other Uses**	36,505	30,628	30,538	51,101	37,991	36,621	34,133	37,776	41,548	33,866
TOTAL PACK	285,029	255,832	260,043	281,469	256,716	252,750	235,986	343,176	342,700	317,377
GREEN BEANS, ITALIAN										
Retail	5,423	4,158	5,479	6,776	7,363	7,132	6,966	7,340	4,734	3,944
Food Service	3,852	3,693	3,105	2,711	2,685	2,728	3,304	3,834	5,054	4,417
Bulk	5,125	9,097	11,052	10,115	11,140	11,860	7,333	15,740	14,950	12,076
Other Uses**	5,955	3,006	3,029	4,909	4,242	3,099	2,916	2,798	2,422	2,429
TOTAL PACK	20,355	19,954	22,665	24,511	25,430	24,819	20,519	29,712	27,160	22,866

*Some overlap from region to region. **Frozen product used for combination packs and/or canned and prepared foods. (a) Included in Northwest. (b) Included in East & South. [1] Some quantities may be repacked into other styles.

FROZEN GREEN BEANS*—SUPPLY—STOCKS MOVEMENT

Source: Economic Research Service, USDA; Packs, American Frozen Food Institute;
Stocks, National Agricultural Statistics Service, USDA

MILLIONS OF POUNDS

July 1 to July 1	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92
Carry-in 7/1	68.8	86.4	81.5	75.2	71.2	74.2	59.8	38.2	85.7	113.5
Pack	273.1	241.5	239.8	261.9	234.6	226.3	210.3	311.5	307.8	283.7
Packer Supply ...	341.9	327.9	321.3	337.1	305.8	300.5	270.2	349.7	393.5	397.2
Shipments 7/1-1/1	137.8	115.9	131.5	165.2	123.2	117.6	123.8	142.0	140.3	147.8
Stocks 1/1	204.1	212.0	189.8	171.9	182.6	182.9	146.4	207.7	253.2	249.4
Shipments 1/1-7/1	117.7	130.5	114.6	100.7	108.4	123.1	108.2	122.0	139.7	P
c/o Stocks 7/1....	86.4	81.5	75.2	71.2	74.2	59.8	38.2	85.7	113.5	P
Shipments 7/1-7/1	255.5	246.4	246.1	265.9	231.6	240.7	232.0	264.0	280.0	P

*Stock figures include regular cut and French cut green only. Excludes whole style. Pack figures adjusted accordingly to reflect accurate movement. P - Not available at press time.

FROZEN WAX BEAN PACKS IN THE U. S.

Compiled by The American Frozen Food Institute

Thousands of Pounds

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Retail	1,548	1,436	2,046	1,912	1,685	2,121	1,815	1,604	565	370
Food Service	2,915	2,711	1,833	1,766	2,123	2,033	2,892	2,053	3,181	3,612
Bulk	2,759	2,369	4,012	5,855	920	225	758	3,350	5,565	4,066
Other Uses	1,061	871	596	501	658	(a)	(a)	658	(a)	(a)
TOTAL PACK ...	8,283	7,387	8,487	10,034	5,386	4,379	5,465	7,665	9,311	8,048

(a) Included in Bulk.

FROZEN LIMA BEAN PACKS IN THE U. S.

Compiled by The American Frozen Food Institute

Thousands of Pounds

BABY LIMAS

1945	19,234	1952	52,405	1959	64,351	1966	89,693	1973	98,112	1980	52,788
1946	28,805	1953	64,390	1960	79,535	1967	85,687	1974	97,163	1981	67,484
1947	29,858	1954	60,726	1961	89,883	1968	84,579	1975	85,670	1982	91,781
1948	31,663	1955	58,232	1962	81,592	1969	82,562	1976	43,854	1983	85,162
1949	44,665	1956	67,978	1963	61,707	1970	73,012	1977	92,154	1984	82,985
1950	33,960	1957	60,736	1964	60,823	1971	73,893	1978	81,145	1985	84,567
1951	44,147	1958	65,461	1965	81,425	1972	92,634	1979	82,775	1986	71,644

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
BY REGION										
East, So& Midwest	18,144	17,803	24,039	21,359	19,644	17,166	11,920	22,207	45,179	30,024
Calif. & Northwest.	73,637	67,359	58,946	63,208	52,000	58,233	70,427	81,441	87,797	42,907
SIZE CLASSIFICATION										
Retail...........	30,661	31,544	23,146	26,084	26,508	26,056	26,702	31,496	31,956	27,784
Food Service.....	12,680	11,498	7,899	9,532	10,722	12,455	10,032	10,599	12,635	14,039
Bulk	41,230	33,560	41,609	35,314	21,094	25,506	37,400	49,368	77,148	18,551
Subtotal.........	84,571	76,602	72,654	70,930	58,324	64,017	74,134	91,463	121,739	60,374
Other Uses	7,210	8,560	10,331	13,637	13,320	11,382	8,213	12,185	11,237	12,557
Total Baby	91,781	85,162	82,985	84,567	71,644	75,399	82,347	103,648	132,976	72,931

FORDHOOK LIMAS

1945	9,242	1952	61,521	1959	49,672	1966	62,224	1973	51,577	1980	33,120
1946	21,278	1953	74,205	1960	68,022	1967	63,950	1974	46,226	1981	21,356
1947	38,336	1954	68,948	1961	70,053	1968	66,513	1975	50,245	1982	31,941
1948	43,741	1955	59,465	1962	68,992	1969	55,792	1976	24,973	1983	28,055
1949	43,284	1956	75,560	1963	56,000	1970	36,844	1977	45,204	1984	39,494
1950	52,029	1957	70,644	1964	55,665	1971	40,690	1978	38,110	1985	32,490
1951	63,873	1958	60,449	1965	64,102	1972	52,968	1979	41,498	1986	29,211

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
SIZE CLASSIFICATION										
Retail	20,115	24,940	16,699	18,374	15,210	18,047	8,230	11,441	12,160	6,872
Food Service	5,501	4,545	4,587	2,731	3,705	4,512	1,767	4,741	4,399	3,675
Bulk	6,325	(1,430)[1]	18,208	11,385	10,296	4,392	10,914	904	(3,782)[1]	6,511
Total Fordhook ..	31,941	28,055	39,494	32,490	29,211	26,951	20,911	17,086	12,777	17,058

[1] Deficit attributable to previous year's carryover and imported product repacked in U.S.

FROZEN BROCCOLI PACKS IN THE U.S.

Compiled by The American Frozen Food Institute

Thousands of Pounds

1942	3,223	1949	45,233	1956	118,287	1963	135,334	1970	185,157	1977	314,395
1943	4,882	1950	41,028	1957	80,452	1964	129,817	1971	189,600	1978	276,519
1944	6,840	1951	48,768	1958	109,679	1965	122,310	1972	234,344	1979	298,618
1945	11,656	1952	82,253	1959	103,215	1966	158,586	1973	213,165	1980	290,657
1946	25,789	1953	89,043	1960	128,210	1967	166,730	1974	245,285	1981	306,755
1947	9,117	1954	62,004	1961	121,636	1968	172,959	1975	191,638	1982	335,516
1948	29,126	1955	96,240	1962	111,456	1969	153,784	1976	201,513	1983	285,358

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
BY REGION										
Other States	31,666	24,999	35,389	19,074	26,357	26,435	33,768	21,855	18,780	11,541
California †	303,850	260,359	330,375	337,732	298,162	286,025	255,678	268,711	239,975	162,929
BY STYLE										
Cuts	125,334	102,371	140,579	147,085	138,666	135,040	122,989	137,849	121,164	84,746
Chopped	39,654	33,467	45,709	54,830	43,290	40,733	33,462	42,439	45,765	23,061
Spears[1]	170,528	149,520	179,476	154,891	142,563	136,687	132,995	110,278	91,826	66,663
SIZE CLASSIFICATION										
Retail	154,174	133,501	151,926	153,614	144,160	147,344	149,598	155,828	125,937	98,572
Food Service	96,042	104,182	115,331	114,414	108,210	113,764	94,068	80,432	80,164	50,339
Bulk	37,426	21,710	72,213	29,238	22,149	(616)[2]	(4,279)[2]	(10,522)[2]	1,068	(20,234)[2]
Subtotal	287,642	259,393	339,470	297,266	274,519	260,492	239,387	225,738	207,169	128,677
Other Uses	47,874	25,965	26,294	59,540	50,000	51,968	50,059	64,828	51,586	45,793
TOTAL PACK	335,516	285,358	365,764	356,806	324,519	312,460	289,446	290,566	258,755	174,470

n.a.-Not available. † Includes Northwest. [1] Some quantities may be repacked into other styles.
[2] Deficit attributable to previous years' carryover and imported product repacked in the U.S.

FROZEN BROCCOLI—SUPPLY—STOCKS—MOVEMENT

Source: Economic Research Service, USDA; Packs, American Frozen Food Institute;
Stocks, National Agricultural Statistics Service, USDA

MILLIONS OF POUNDS

Calendar Year	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Stocks 1/1	107.2	70.8	92.8	84.5	105.1	114.8	56.2	106.0	113.0	88.1
Pack	285.4	365.8	356.8	324.5	312.5	289.4	290.6	258.8	174.5	P
Imports	33.6	65.4	77.1	117.2	194.8	178.2	245.0	242.6	P	P
Supply	426.2	502.0	526.7	526.2	612.4	582.4	591.8	607.4	P	P
Stocks 3/1	88.5	62.1	91.1	83.8	95.1	107.3	65.5	123.8	54.2	33.3
Movement 1/1 - 1/1.	355.4	409.2	442.2	421.1	497.6	526.2	485.8	494.4	P	P

P - Not available at press time.

FROZEN BRUSSELS SPROUTS PACKS IN THE U.S.

Compiled by The American Frozen Food Institute

Thousands of Pounds

1942	3,430	1949	23,455	1956	43,989	1963	42,272	1970	42,663	1977	56,642
1943	4,839	1950	22,439	1957	33,354	1964	47,476	1971	49,195	1978	71,161
1944	4,920	1951	22,476	1958	30,424	1965	37,339	1972	55,845	1979	61,353
1945	6,606	1952	22,454	1959	38,733	1966	51,698	1973	56,836	1980	63,366
1946	13,521	1953	40,802	1960	39,261	1967	39,479	1974	53,729	1981	62,162
1947	4,557	1954	33,418	1961	40,057	1968	49,024	1975	54,422	1982	52,980
1948	10,526	1955	23,142	1962	40,334	1969	40,083	1976	44,845	1983	41,354

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
SIZE CLASSIFICAT										
Retail	33,547	27,299	26,215	24,149	21,539	28,141	28,346	36,894	24,657	22,039
Other	19,433	14,055	24,234	20,586	16,451	17,519	21,441	9,663	13,825	12,580
TOTAL PACK	52,980	41,354	50,449	44,735	37,990	45,660	49,787	46,557	38,482	34,619

FROZEN CARROT PACKS IN THE U.S.

Compiled by The American Frozen Food Institute

Thousands of Pounds

1942	1,043	1949	12,751	1956	51,010	1963	69,773	1970	173,054	1977	263,769
1943	2,260	1950	13,338	1957	34,237	1964	63,947	1971	143,681	1978	238,415
1944	903	1951	10,573	1958	53,713	1965	109,538	1972	165,879	1979	263,080
1945	6,051	1952	22,269	1959	55,487	1966	131,127	1973	231,688	1980	191,151
1946	9,069	1953	29,332	1960	72,100	1967	133,337	1974	248,081	1981	269,845
1947	2,905	1954	27,494	1961	60,271	1968	162,282	1975	165,869	1982	296,679
1948	15,393	1955	34,389	1962	79,422	1969	150,945	1976	181,277	1983	212,500

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
BY REGION										
East, South & M.W.	72,658	73,456	69,104	53,986	68,209	83,906	72.478	89,433	95,525	76,129
Northwest	135,986	86,224	101,441	124,470	133,185	210,690	222,195	269,415	233,256	241,872
California	88,035	52,820	85,040	76,130	68,969	(a)	(a)	(a)	(a)	(a)
BY STYLE										
Chips & Diced	145,091	88,331	94,509	99,940	138,445	120,845	100,847	134,033	120,975	114,059
Sliced & Crinkle	86,406	69,843	89,505	84,604	72,036	78,558	96,430	122,249	119,085	109,044
Nuggets, Baby & whole	30,144	26,883	41,033	43,642	31,680	46,730	58,669	56,349	57,169	56,972
Shoestring	27,644	19,803	21,208	20,460	21,759	44,149	29,963	40,179	24.343	31,911
Chunks & other	7,394	7,640	9,330	5,940	6,443	4,314	8,764	6,038	7,209	6,015
SIZE CLASSIFICATION										
Retail	37,985	39,851	32,033	38,831	36,598	37,565	31,499	29,121	33,120	24,129
Food Service	19,590	20,466	22,003	23,841	26,413	29,559	35,061	40,660	49,290	49,539
Bulk	183,585	95,248	128,632	114,105	153,039	158,042	163,514	210,769	169,444	169,627
Subtotal	241,160	155,565	182,668	176,777	216,050	225,166	230,074	280,550	251,854	243,295
Other Uses	55,519	56,935	72,917	77,809	54,313	69,430	64,599	78,298	76,927	74,706
TOTAL PACK	296,679	212,500	255,585	254,586	270,363	294,596	294,673	358,848	328,781	318,001

(a) Included in Northwest.

FROZEN CARROTS—SUPPLY—STOCKS—MOVEMENT

Source: Economic Research Service, USDA; Packs, American Frozen Food Institute;
Stocks, National Agricultural Statistics Service, USDA

MILLIONS OF POUNDS

Aug. 1 to Aug. 1	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92
Carry-in 8/1	75.0	142.8	96.7	93.7	92.7	112.6	116.3	106.9	125.6	96.3
Pack	296.7	212.5	255.6	254.6	270.4	294.6	294.7	358.8	328.8	318.0
Packers Supply	371.7	355.3	352.3	348.3	363.1	407.2	411.0	465.7	454.4	414.3
Shipments 8/1-1/1	159.5	168.9	188.6	167.5	154.4	192.8	227.9	257.2	229.9	212.0
Stocks 1/1	212.2	186.4	163.7	180.8	208.7	214.4	183.1	208.5	224.5	202.3
Shipments 1/1-8/1	69.4	89.7	70.0	88.1	96.1	98.1	76.2	82.9	128.2	P
c/o Stocks 8/1	142.8	96.7	93.7	92.7	112.6	116.3	106.9	125.6	96.3	P
Shipments 8/1-8/1	228.8	258.6	258.6	255.6	250.5	290.9	304.1	340.1	358.1	P

14th Biennial Edition

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ORDER BY PHONE

FROZEN CAULIFLOWER IN THE U.S.

Compiled by The American Frozen Food Institute

Thousands of Pounds

1942	1,200	1949	21,655	1956	47,159	1963	40,677	1970	59,782	1977	96,670
1943	2,513	1950	12,339	1957	22,690	1964	43,596	1971	67,659	1978	127,513
1944	4,821	1951	22,428	1958	33,251	1965	46,211	1972	94,070	1979	101,130
1945	7,391	1952	33,166	1959	33,566	1966	53,985	1973	96,098	1980	84,766
1946	13,237	1953	35,710	1960	48,743	1967	50,971	1974	93,754	1981	105,161
1947	5,354	1954	17,088	1961	41,117	1968	67,566	1975	76,056	1982	111,644
1948	13,963	1955	40,086	1962	37,806	1969	69,744	1976	67,807	1983	100,541

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
BY REGION										
California	85,339	71,779	72,062	60,250	64,631	51,244	48,551	82,457	57,611	68,144
Ea., So., NW.	26,305	28,762	30,044	34,367	24,489	26,514	30,211	27,365	22,470	1,085
SIZE CLASSIFICATION										
Retail	36,468	29,821	27,523	27,004	28,217	28,266	26,000	27,106	17,964	15,749
FS & Bulk	52,968	52,093	53,820	28,540	35,190	20,330	25,949	52,584	36,470	34,410
Subtotal	89,436	81,914	81,343	55,544	63,407	48,596	51,949	79,690	54,434	50,159
Other Uses	22,208	18,627	20,763	39,073	25,713	29,162	26,813	30,132	25,647	19,070
TOTAL PACK	111,644	100,541	102,106	94,617	89,120	77,758	78,762	109,822	80,081	69,229

FROZEN CORN-ON-COB PACKS IN THE U.S.

Compiled by The American Frozen Food Institute

Thousands of Pounds

1942	1,767	1949	17,563	1956	20,422	1963	11,748	1970	80,889	1977	265,183
1943	846	1950	10,069	1957	13,699	1964	27,757	1971	106,893	1978	307,079
1944	606	1951	8,772	1958	10,370	1965	40,337	1972	133,064	1979	269,422
1945	445	1952	14,186	1959	9,872	1966	44,241	1973	166,830	1980	258,567
1946	2,296	1953	17,217	1960	11,320	1967	43,973	1974	152,330	1981	305,390
1947	6,064	1954	16,788	1961	12,000	1968	76,358	1975	183,381	1982	378,629
1948	10,324	1955	6,932	1962	16,873	1969	73,914	1976	187,582	1983	293,947

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
BY REGION										
East & South	46,846	45,684	59,250	51,150	57,238	(b)	46,491	42,036	59,587	(b)
Midwest	96,828	60,148	93,285	120,110	130,376	176,696	103,060	143,380	140,156	192,338
West	234,955	188,115	197,131	252,066	204,340	230,163	196,318	250,885	250,747	248,202
SIZE CLASSIFICATION										
Retail	168,441	160,919	178,279	198,731	401,360	355,211	335,607	267,297	436,642	216,230
Food Service	133,404	109,905	130,034	186,036	(a)	(a)	(a)	129,576	(a)	*154,562
Bulk	76,784	23,123	41,353	38,559	†(9,406)	51,648	10,262	39,428	13,848	69,748
TOTAL PACK	378,629	293,947	349,666	423,326	391,954	406,859	345,869	436,301	450,490	440,540

† Deficit attributable to previous year's carryover and imported product packed in the U.S. *Some Foodservice Natural Ear included in Retail. (a) Included in Retail. (b) Included in Midwest.

FROZEN CUT CORN PACKS IN THE U.S.

Compiled by The American Frozen Food Institute

Thousands of Pounds

1942	9,369	1949	37,076	1956	118,153	1963	168,156	1970	216,097	1977	260,773
1943	21,450	1950	32,998	1957	112,917	1964	159,846	1971	226,835	1978	303,155
1944	20,983	1951	44,549	1958	111,039	1965	222,185	1972	273,776	1979	310,648
1945	25,551	1952	62,684	1959	121,013	1966	300,165	1973	294,223	1980	270,531
1946	42,427	1953	104,809	1960	130,460	1967	316,100	1974	298,224	1981	313,982
1947	26,559	1954	78,212	1961	168,960	1968	334,549	1975	288,067	1982	455,714
1948	20,920	1955	70,041	1962	163,456	1969	289,268	1976	282,391	1983	367,272

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
BY REGION										
East & South	37,150	42,031	48,848	51,676	42,406	(a)	27,141	(a)	(a)	(a)
Midwest	66,219	56,190	65,179	84,877	90,116	147,641	91,130	168,687	177,554	205,703
West	352,345	269,051	209,950	223,744	232,369	285,517	305,068	334,293	340,776	347,796
SIZE CLASSIFICATION										
Retail	133,417	144,817	130,890	166,185	145,843	158,425	151,740	135,526	140,897	124,035
Food Service	43,350	55,405	54,569	58,767	72,802	70,065	76,093	80,492	102,710	101,593
Bulk	243,169	127,689	95,217	87,542	108,924	163,272	153,801	241,815	229,187	280,882
Subtotal	419,936	327,911	280,676	312,494	327,569	391,762	381,634	457,833	472,794	506,510
Other Uses	35,778	39,361	43,301	47,803	37,322	41,396	41,705	45,147	45,536	46,989
TOTAL ALL	455,714	367,272	323,977	360,297	364,891	433,158	423,339	502,980	518,330	553,499

(a) Included in Midwest.

FROZEN SWEET CORN*—SUPPLY—STOCKS—MOVEMENT

Source: Economic Research Service, USDA; Packs, American Frozen Food Institute;
Stocks, National Agricultural Statistics Service, USDA

MILLIONS OF POUNDS

Aug. 1 - Aug. 1	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92
Carry-in 8/1	64.0	192.3	124.5	120.5	137.0	167.4	128.2	60.8	111.2	208.6
Pack	834.3	661.2	673.6	783.6	756.9	840.0	769.2	939.3	968.8	994.0
Packers Supply...	898.3	853.5	798.1	904.1	893.9	1,007.4	897.5	1,000.1	1,080.0	1,202.6
Shipments 8/1-1/1	339.8	310.9	323.4	393.5	403.1	440.9	462.0	537.7	500.6	562.4
Stocks 1/1	558.5	542.6	474.7	510.6	490.8	566.5	435.5	462.4	579.4	640.2
Shipments 1/1-8/1	366.2	418.1	354.2	373.6	323.4	438.3	374.7	351.2	370.8	P
c/o Stocks 8/1 ...	192.3	124.5	120.5	137.0	167.4	128.2	60.8	111.2	208.6	P
Shipments 8/1-8/1	706.0	729.0	677.6	767.1	726.5	879.2	836.7	888.9	871.4	P

*Corn-on-cob and cut corn combined. (e) Estimate. P - Not available at press time

FROZEN OKRA PACKS IN THE U. S.

Compiled by The American Frozen Food Institute

Production Chiefly in the South—Thousands of Pounds

1947	372	1953	12,285	1959	22,307	1965	30,365	1971	32,234	1977	41,551
1948	1,526	1954	7,756	1960	17,955	1966	38,327	1972	27,924	1978	46,295
1949	2,344	1955	13,647	1961	24,754	1967	47,465	1973	40,597	1979	33,305
1950	2,620	1956	13,084	1962	23,084	1968	30,485	1974	42,992	1980	41,698
1951	4,789	1957	17,071	1963	21,144	1969	38,250	1975	27,970	1981	43,774
1952	8,427	1958	15,767	1964	35,451	1970	44,168	1976	27,489	1982	54,339

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
BY STYLE										
Whole	6,446	4,884	14,885	6,824	6,618	10,923	8,181	8,565	11,792	9,789
Cut	47,893	41,154	39,694	44,991	66,542	59,549	57,527	51,440	52,956	56,506
SIZE CLASSIFICATION										
Retail	18,459	24,135	18,491	30,247	29,777	23,945	28,787	20,833	18,263	13,609
Other	35,880	21,903	36,088	21,568	43,383	46,527	36,921	39,172	46,485	52,686
TOTAL PACK ...	54,339	46,038	54,579	51,815	73,160	70,472	65,708	60,005	64,748	66,295

FROZEN ONION PACKS IN THE U.S.

Compiled by The American Frozen Food Institute

Thousands of Pounds

1967	23,433	1971	75,882	1975	121,101	1979	167,239	1983	142,637
1968	34,621	1972	110,672	1976	148,963	1980	156,081	1984	156,482
1969	37,881	1973	114,679	1977	152,718	1981	159,874	1985	142,008
1970	52,205	1974	111,228	1978	154,080	1982	182,344	1986	185,458

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
NATURAL RINGS[1]										
Breaded.........	80,120	51,071	55,211	39,392	68,892	72,598	48,747	43,849	57,327	54,890
Battered.........	(a)	(a)	(a)	(a)	(a)	(a)	28,392	33,775	35,587	34,263
Retail...........	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	(c)	3,544	† †669	† †3,338
Foodservice......	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	77,139	74,080	92,245	85,815
TOTAL........	80,120	51,071	55,211	39,392	68,892	72,598	77,139	77,624	92,914	89,153
FORMED RINGS										
Retail...........	7,232	12,605	21,820	*12,391	*37,431	*49,647	19,920	11,468	†16,205	17,723
Foodservice......	48,170	43,753	40,345	40,112	21,269	14,547	46,343	46,408	†55,275	36,410
TOTAL........	55,402	56,358	62,165	52,503	58,700	64,194	66,263	57,876	†71,880	54,133
Total Rings......	135,522	107,429	117,376	91,895	127,592	136,792	143,402	135,500	†164,794	143,286
WHOLE, CHOPPED, ETC.[2]										
10 to 32 ounce....	3,920	3,682	3,734	6,797	2,232	1,403	(b)	881	(b)	4,444
Polybags	4,080	6,907	7,562	5,475	6,337	4,914	8,659	1,602	6,161	2,218
3 to 20 lb.	3,256	3,527	1,599	7,206	5,666	4,684	5,851	7,928	6,674	2,183
21 lb. to Bulk	27,729	3,394	8,952	18,843	38,325	29,219	30,390	33,862	58,599	66,250
Sub Total......	38,985	17,510	21,847	38,321	52,560	40,220	44,900	44,273	71,434	75,095
Other Uses**	7,837	17,698	17,259	11,792	5,306	8,179	6,783	5,906	6,897	8,105
TOTAL........	46,822	35,208	39,106	50,113	57,866	48,399	51,683	50,179	78,331	83,200
ALL STYLES										
TOTAL........	182,344	142,637	156,482	142,008	185,458	185,191	195,085	185,679	†243,125	226,486

[1] Production chiefly in the Midwest. [2] Includes whole, chopped, sliced, pearl, strips, etc. Production chiefly in the West. † Includes some other extruded vegetable products. † † Some retail included in foodservice. *Includes polybag. **Initial frozen vegetable weight going into combination (mixed) vegetables and prepared foods. (a) Included in breaded. (b) Included in polybags. (c) Retail included in foodservice.

FROZEN BLACK-EYED (AND OTHER SOUTHERN*) PEAS

Compiled by The American Frozen Food Institute

Thousands of Pounds

1948	573	1954	5,698	1960	16,678	1966	29,780	1972	38,004	1978	36,981
1949	704	1955	10,227	1961	18,683	1967	44,236	1973	41,974	1979	21,099
1950	1,280	1956	6,737	1962	18,380	1968	25,579	1974	30,881	1980	20,933
1951	2,725	1957	11,624	1963	15,639	1969	20,647	1975	21,745	1981	33,404
1952	4,146	1958	13,012	1964	23,452	1970	30,084	1976	31,368	1982	23,821
1953	6,431	1959	14,821	1965	26,037	1971	33,027	1977	36,054	1983	22,926

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
BY TYPE										
Black-eyed	15,645	17,214	18,593	23,407	17,330	19,852	19,912	23,992	20,262	20,103
Other	8,176	5,712	9,614	8,268	5,256	9,151	10,246	9,508	10,152	7,174
SIZE CLASSIFICATION										
Retail	18,246	17,408	16,032	16,598	15,277	16,738	17,195	16,043	14,909	11,986
Other	5,575	5,518	12,175	15,077	7,309	12,265	12,963	17,457	15,505	15,291
TOTAL PACK	23,821	22,926	28,207	31,675	22,586	29,003	30,158	33,500	30,414	27,277

*Includes crowder, field, lady, creme, purple hull, etc.

FROZEN GREEN PEA PACKS IN THE U. S.

Compiled by The American Frozen Food Institute

Thousands of Pounds

1942	59,077	1949	113,273	1956	359,661	1963	344,784	1970	344,520	1977	333,954
1943	70,310	1950	152,275	1957	295,823	1964	336,931	1971	348,418	1978	357,717
1944	79,152	1951	195,541	1958	251,934	1965	443,289	1972	340,075	1979	427,461
1945	103,834	1952	203,726	1959	304,955	1966	375,360	1973	387,749	1980	315,577
1946	140,603	1953	226,664	1960	295,227	1967	424,246	1974	416,682	1981	333,888
1947	131,786	1954	206,854	1961	346,069	1968	429,352	1975	400,587	1982	404,830
1948	118,977	1955	231,216	1962	356,857	1969	367,323	1976	340,366	1983	354,480

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
BY REGION										
East & South	51,698	41,293	53,869	90,898	55,719	47,563	41,399	49,817	73,649	54,940
Midwest	78,374	60,236	73,220	118,229	100,895	110,960	68,986	126,597	134,486	117,845
Northwest	250,555	252,951	296,651	276,858	216,991	241,708	248,394	292,990	274,775	315,682
California	24,203									
SIZE CLASSIFICATION										
Retail	149,600	155,930	130,779	171,479	163,390	171,168	158,260	170,130	151,508	127,407
Food Service	50,375	57,234	63,031	65,082	67,761	64,054	74,326	68,772	93,936	91,003
Bulk	160,372	83,881	175,550	177,994	80,514	96,227	65,981	166,633	175,812	211,927
Subtotal	360,347	297,045	369,360	414,555	311,665	331,449	298,567	405,535	421,256	430,337
Other Uses	44,483	57,435	54,380	71,430	61,940	68,782	60,212	63,869	61,654	58,130
TOTAL PACK	404,830	354,480	423,740	485,985	373,605	400,231	358,779	469,404	482,910	488,467

FROZEN GREEN PEAS—SUPPLY—STOCKS—MOVEMENT

Source: Economic Research Service, USDA; Packs, American Frozen Food Institute; Stocks, National Agricultural Statistics Service, USDA

MILLIONS OF POUNDS

June 1 - June 1	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92
Carry-in 6/1	55.0	92.5	82.5	119.9	164.0	131.8	97.6	62.4	99.0	132.8
Pack	404.8	354.5	423.7	486.0	373.6	400.2	358.8	469.4	482.9	†488.5
Packers Supply	459.8	447.0	506.2	605.9	537.6	532.0	456.4	531.9	581.9	621.3
Shipments 6/1-1/1	212.7	218.0	253.3	290.9	287.7	280.8	289.6	299.7	299.8	350.0
Stocks 1/1	247.1	229.0	252.9	315.0	249.9	251.2	166.8	232.0	282.1	271.3
Shipments 1/1-6/1	154.6	146.5	133.0	151.0	118.1	153.6	104.4	134.0	149.3	P
c/o Stocks 6/1	92.5	82.5	119.9	164.0	131.8	97.6	62.4	99.0	132.8	P
Shipments 6/1-6/1	367.3	364.5	386.3	441.9	405.8	434.4	394.0	432.9	449.1	P

† Preliminary data. Includes estimates. P - Not available at press time.

FROZEN POTATO PACKS IN THE U. S.

Compiled by The American Frozen Food Institute

Thousands of Pounds

1953	70,691	1960	551,392	1967	1,490,809	1974	2,984,881	1981	4,236,239
1954	85,256	1961	579,162	1968	1,736,055	1975	3,000,983	1982	4,377,228
1955	128,890	1962	761,609	1969	2,048,408	1976	3,335,051	1983	4,509,905
1956	189,685	1963	861,537	1970	2,404,389	1977	3,622,823	1984	4,732,894
1957	219,860	1964	1,117,883	1971	2,565,118	1978	3,848,810	1985	5,118,102
1958	269,462	1965	1,218,529	1972	2,593,848	1979	4,089,732	1986	5,149,148
1959	371,048	1966	1,459,634	1973	2,691,072	1980	3,853,156	1987	5,287,634

	1984	1985	1986	1987	1988	1989	1990	1991
TOTAL BY REGION								
California	20,855	12,813	10,060	(a)	(a)	(a)	12,169	61,031
Northwest	3,867,330	3,937,933	3,934,368	4,217,499	4,617,000	4,977,495	4,811,820	4,594,510
East, So. & MW	844,709	1,167,356	1,204,720	1,070,135	1,146,671	1,020,817	1,534,979	1,843,374
U.S. Total	4,732,894	5,118,102	5,149,148	5,287,634	5,763,671	5,998,312	6,358,968	6,498,915
TOTAL BY STYLE								
French Fries	3,943,433	4,383,629	4,420,557	4,539,795	4,892,333	5,120,149	5,492,643	5,533,254
Misc. Products	789,461	734,473	728,591	747,839	871,338	878,163	866,325	965,661
FRENCH FRIES								
Total Retail	498,534	538,663	483,598	531,135	544,169	613,473	768,543	653,629
Tot. Food Service	3,414,023	3,907,411	3,867,118	3,951,099	4,260,254	4,456,465	4,703,785	4,801,205
Tot. Bulk	30,876	†(62,445)	69,841	57,561	87,910	50,211	20,315	78,420
All French Fries	3,943,433	4,383,629	4,420,557	4,539,795	4,892,333	5,120,149	5,492,643	5,533,254

† Deficit attributable to previous years' carryover. (a) Included in East, So. & MW.

PUMPKIN AND COOKED SQUASH

Compiled by The American Frozen Food Institute

Thousands of Pounds

1942	2,633	1949	8,337	1956	24,158	1963	12,190	1970	27,241	1977	25,168
1943	8,344	1950	8,325	1957	13,151	1964	11,243	1971	28,470	1978	25,058
1944	10,002	1951	12,723	1958	18,007	1965	17,390	1972	29,708	1979	23,667
1945	7,354	1952	15,068	1959	15,705	1966	19,697	1973	29,047	1980	23,000
1946	10,009	1953	9,473	1960	23,447	1967	23,298	1974	32,641	1981	37,806
1947	5,190	1954	13,036	1961	15,894	1968	24,672	1975	29,802	1982	24,897
1948	5,577	1955	17,863	1962	12,101	1969	26,091	1976	22,177	1983	17,759

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
SIZE CLASSIFICATION										
Retail	9,533	8,126	6,677	7,901	9,492	10,009	11,035	(a)	(a)	(a)
Other	15,364	9,633	9,147	12,833	12,827	20,384	12,835	21,538	22,445	20,782
Total Pack	24,897	17,759	15,824	20,734	22,319	30,393	23,870	21,538	22,445	20,782

(a) Included with "Other".

FROZEN SPINACH PACKS IN THE U. S.

Compiled by The American Frozen Food Institute

Thousands of Pounds

1942	16,575	1949	62,307	1956	104,511	1963	119,768	1970	145,694	1977	167,766
1943	24,648	1950	52,806	1957	102,130	1964	126,957	1971	156,991	1978	147,389
1944	31,947	1951	97,878	1958	97,472	1965	122,264	1972	160,050	1979	181,279
1945	36,721	1952	91,464	1959	121,904	1966	142,931	1973	159,501	1980	169,298
1946	38,185	1953	87,927	1960	118,595	1967	153,228	1974	177,892	1981	183,646
1947	23,279	1954	66,901	1961	116,505	1968	153,960	1975	129,399	1982	150,667
1948	41,571	1955	110,347	1962	97,291	1969	107,182	1976	160,247	1983	143,205

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
BY REGION										
East, South & MW.	26,907	27,153	38,733	42,548	46,042	53,742	69,870	54,881	76,064	60,478
West*	123,760	116,052	132,516	132,254	111,077	117,466	102,979	105,010	135,720	81,166
BY STYLE										
Leaf	68,463	58,763	77,821	74,494	64,120	68,489	71,679	72,064	75,943	50,007
Chopped	82,204	84,442	93,428	100,308	92,999	102,719	101,170	87,827	135,841	91,637
SIZE CLASSIFICATION										
Retail	84,429	71,763	88,034	93,821	82,442	91,023	100,457	101,189	115,562	75,909
Food Service	60,230	66,460	71,603	72,144	68,406	70,071	68,685	51,894	92,267	64,701
Bulk	6,008	4,982	11,612	8,837	6,271	10,114	3,707	6,808	3,955	1,034
Total Pack	150,667	143,205	171,249	174,802	157,119	171,208	172,849	159,891	211,784	141,644

*California only beginning 1985.

FROZEN SPINACH—SUPPLY—STOCKS—MOVEMENT

Source: Economic Research Service, USDA; Packs, American Frozen Food Institute; Stocks, National Agricultural Statistics Service, USDA

MILLIONS OF POUNDS

Mar. 1 - Mar. 1	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92
Carry-in 3/1	40.7	28.7	25.2	26.9	33.7	28.4	36.9	24.5	30.5	81.1
Pack	150.7	143.2	171.2	174.8	157.1	171.2	172.8	159.9	211.8	141.6
Packer Supply ...	191.3	171.9	196.4	201.7	190.8	199.6	209.7	184.4	242.3	222.7
Shipments 3/1-1/1	138.8	129.6	151.1	149.1	144.9	148.8	174.7	142.5	151.4	169.5
Stocks 1/1	52.5	42.3	45.3	52.6	45.9	50.8	35.0	41.8	90.9	53.2
Shipments 1/1-3/1	23.8	17.1	18.4	18.9	17.5	13.9	10.6	11.4	9.8	12.5
c/o Stocks 3/1....	28.7	25.2	26.9	33.7	28.4	36.9	24.5	30.5	81.1	40.7
Shipments 3/1-3/1	162.6	146.7	169.5	168.0	162.4	162.7	185.2	153.9	161.2	182.0

FROZEN SUMMER SQUASH PACKS IN THE U. S.

(All Types, Including Zucchini)

Compiled by The American Frozen Food Institute

Thousands of Pounds

1961	5,926	1966	11,990	1971	26,882	1976	35,377	1981	46,833
1962	8,022	1967	10,467	1972	28,494	1977	41,598	1982	65,179
1963	8,881	1968	12,832	1973	26,343	1978	43,826	1983	62,738
1964	6,316	1969	17,318	1974	31,330	1979	38,149	1984	66,467
1965	10,987	1970	18,953	1975	27,906	1980	36,737	1985	67,458

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
SUMMER SQUASH										
Retail	1,984	2,692	3,523	1,696	2,853	2,131	1,884	2,823	(b)	2,375
Food Service	15,342	12,240	9,768	12,569	12,956	10,664	13,061	15,373	12,498	8,881
Bulk	3,980	5,878	6,989	9,902	12,895	10,636	8,866	3,913	7,051	5,310
Other Uses	605	230	6,810	(a)	(a)	(a)	(a)	(a)	(a)	(a)
TOTAL	21,911	21,040	27,090	24,167	28,704	23,431	23,811	22,109	19,549	16,566
ZUCCHINI										
Retail	1,682	2,024	3,741	3,256	4,732	3,670	4,673	3,718	3,479	1,223
Food Service	15,240	16,391	9,740	16,345	18,528	17,037	19,836	23,292	15,039	12,856
Bulk	18,229	17,469	18,281	15,207	19,314	22,289	15,936	19,852	26,020	15,234
Other Uses	8,117	5,814	7,615	8,483	4,716	4,572	5,705	5,745	5,544	3,569
TOTAL	43,268	41,698	39,377	43,291	47,290	47,568	46,150	52,607	50,082	32,882
ALL TYPES										
Retail	3,666	4,716	7,264	4,952	7,585	5,801	6,557	6,541	(b)	3,598
Food Service	30,582	28,631	19,508	28,914	31,484	27,701	32,897	38,665	31,016	21,737
Bulk	22,209	23,347	25,270	25,109	32,209	32,925	24,802	23,765	33,071	20,544
Other Uses	8,722	6,044	14,425	8,483	4,716	4,572	5,705	5,745	5,544	3,569
TOTAL ALL	65,179	62,738	66,467	67,458	75,994	70,999	69,961	74,716	69,631	49,448

(a) Included in bulk. (b) Included in Food Service.

THE 1992-93 DIRECTORY OF THE CANNING, FREEZING, PRESERVING INDUSTRIES

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FROZEN VEGETABLE MIXES

Compiled by The American Frozen Food Institute

Thousands of Pounds

The following vegetable mixes are reported separately and are not included in total industry vegetable production data which represents first freezing, including the mix components.

1971... 185,039	1973... 161,124	1975... 188,470	1977... 193,133	1979... 221,279	1981... 229,081
1972... 190,771	1974... 209,917	1976... 164,575	1978... 178,566	1980... 237,436	1982... 198,624

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
MIXED VEGETABLES										
Retail	82,633	97,973	96,535	100,123	101,677	99,672	132,601	115,336	105,828	97,239
Food Service	46,759	51,389	45,600	48,262	58,573	60,976	52,446	67,345	65,239	62,359
Bulk	11,773	7,917	20,423	29,966	24,480	24,524	19,977	8,867	9,755	12,795
Total	141,165	157,279	162,558	178,351	184,730	185,172	205,024	191,548	180,822	172,393
PEAS & CARROTS										
Retail	20,274	21,845	22,452	24,580	23,258	23,340	24,728	24,377	19,917	19,247
Food Service†	6,169	6,232	6,122	7,089	12,275	13,076	12,225	14,000	15,025	15,572
Bulk†	3,096	3,161	3,424	3,218	903	647	700	473	856	407
Total	29,539	31,238	31,998	34,887	36,436	37,063	37,653	38,850	35,798	35,226
PEAS & PEARL ONIONS										
Retail	4,179	5,729	5,651	6,714	6,111	3,590	6,280	5,162	4,156	4,201
Food Service(a)	3,255	2,842	3,826	4,460	3,581	4,412	3,243	3,359	3,146	3,599
Total	7,434	8,571	9,477	11,174	9,692	8,002	9,523	8,521	7,302	7,800
STEW VEGETABLES										
Retail	12,121	12,230	15,921	17,216	17,221	16,831	16,972	14,771	14,441	13,036
Food Service(a)	1,787	2,131	3,956	2,985	2,315	1,515	1,610	1,512	3,170	1,345
Total	13,908	14,361	19,877	20,201	19,536	18,346	18,582	16,283	17,611	14,381
SUCCOTASH										
Retail	4,032	3,700	3,385	4,308	4,447	4,547	4,234	3,546	2,955	3,328
Food Service(a)	2,546	2,337	2,094	2,533	2,636	2,464	2,976	2,325	2,458	1,979
Bulk	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Total	6,578	6,037	5,479	6,841	7,083	7,011	7,210	5,871	5,413	5,307
TOTAL ALL	198,624	217,486	229,389	251,454	257,477	255,594	277,992	261,073	246,946	235,107

† Through 1985, 20 lb. containers are included in Bulk. (a) Some containers over 20 lb. included with Food Service. Generally Retail includes up to 40 oz. poly; Food Service from 2 lb. carton thru 20 lb.; Bulk over 20 lb.

FROZEN VEGETABLE COMBINATIONS/OR BLENDS

Compiled by The American Frozen Food Institute

Thousands of Pounds

The following combinations are reported separately and are not included in total industry vegetable production data which represents first freezing, including the mix components.

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
CALIFORNIA BLEND (generally includes Broccoli, Cauliflower & Carrots)										
Retail	36,778	41,046	48,744	63,627	54,686	46,078	64,128	64,855	43,457	53,036
Food Service[1]	4,421	7,025	5,716	3,740	7,413	9,633	8,810	13,378	27,178	22,382
Bulk[1]	7,402	10,684	16,096	11,023	11,800	16,427	10,084	10,062	9,484	7,434
Total	48,601	58,755	70,556	78,390	73,899	72,133	83,022	88,295	80,119	82,852
ITALIAN BLEND (generally includes Cauliflower, Zucchini, Italian gr. beans & onions)										
Retail	11,785	15,176	16,170	22,516	19,680	17,829	18,614	21,082	13,757	11,422
Food Service[1]	3,546	5,655	5,637	1,100	2,580	3,772	4,038	6,001	9,976	7,896
Bulk[1]	4,758	7,314	8,260	7,873	6,994	6,345	5,708	6,370	4,512	4,303
Total	20,089	28,145	30,067	31,489	29,254	27,946	28,360	33,453	28,245	23,621
ORIENTAL BLEND (generally includes Green Beans, Broccoli, Onions & Mushrooms)										
Retail	37,804	39,987	43,445	41,559	39,387	29,885	27,014	26,625	21,915	18,897
Food Service/Bulk	4,382	7,513	7,709	6,473	4,944	5,920	6,311	7,807	7,909	10,094
Total	42,186	47,500	51,154	48,032	44,331	35,805	33,325	34,432	29,824	28,991
WINTER BLEND (generally includes Broccoli & Cauliflower)										
Retail	15,656	21,622	22,379	29,614	27,327	24,806	18,994	20,571	16,233	13,503
Food Service/Bulk	4,469	4,974	6,496	8,350	14,393	5,087	5,972	7,212	9,156	5,657
Total	20,125	26,596	28,875	37,964	41,720	29,893	24,966	27,783	25,389	19,160
NORTHWEST BLEND (generally includes Corn, Green Beans, sl. Carrots & Peas)										
Total	2,600	13,248	14,134	18,002	14,985	3,698	3,545	5,069	6,000	7,924
MISCELLANEOUS BLENDS										
Total	81,745	76,144	86,793	110,686	114,159	146,218	210,673	187,557	226,770	185,822
TOTAL BLENDS	225,994	251,274	282,526	324,563	318,348	315,693	383,891	376,589	396,347	348,370

[1] 20 lb. included with Bulk.

TOTAL U.S. FROZEN FRUIT AND BERRY PACKS

Compiled by The American Frozen Food Institute

Thousands of Pounds

1942	194,643	1949	354,021	1956	694,327	1963	619,514	1970	620,688	1977	687,409
1943	187,267	1950	472,173	1957	671,374	1964	795,154	1971	665,478	1978	542,566
1944	323,886	1951	415,945	1958	610,387	1965	653,452	1972	612,062	1979	574,864
1945	427,038	1952	420,303	1959	617,576	1966	663,570	1973	650,164	1980	653,402
1946	519,093	1953	541,961	1960	659,718	1967	641,813	1974	602,104	1981	625,923
1947	343,520	1954	522,990	1961	704,926	1968	728,457	1975	566,825	1982	614,315
1948	369,723	1955	659,787	1962	668,118	1969	678,283	1976	628,513	1983	574,269

TOTAL FROZEN FRUIT AND BERRY PACKS BY REGION

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Northeast	60,724	45,695	54,403	52,384	96,622	99,408	121,088	119,721	107,951	113,983
South	12,803	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Midwest	63,787	61,252	72,417	82,350	94,012	131,203	141,801	153,646	139,239	135,665
West	477,001	467,322	435,400	418,146	456,941	619,551	566,857	531,324	646,704	653,137
Total	614,315	574,269	562,220	552,880	647,575	850,162	829,746	804,691	893,894	902,785

NORTHEAST: Conn., Me., Mass., N.J., N.Y., Pa., R.I., and Vt. SOUTH: Ala., Ark., Del., Fla., Ga., Ky., La., Md., Miss., Mo., N.C., Okla., S.C., Tenn., Tex., Va., and W. Va. MIDWEST: Ill., Ind., Mich., Minn., Neb., Ohio and Wis. WEST: Ariz., Calif., Colo., Hawaii, Idaho, Mont., Ore., Utah and Wash. (a) Included in Northeast.

FROZEN FRUIT AND BERRY PACK BY COMMODITY

Product	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Apples	100,378	75,576	77,996	85,481	111,133	122,399	117,076	123,260	125,540	149,423
Apricots	16,766	14,077	16,565	11,770	14,308	22,227	14,675	17,564	16,512	15,626
Cherries, R.S.P.	*	*	*	*	*	(a)	(a)	(a)	(a)	(a)
Cherries, Sweet	17,206	17,303	13,282	10,262	14,404	21,332	18,482	14,010	13,695	14,555
Grapes & Pulp	8,442	10,006	(a)	4,715	(a)	(a)	(a)	(a)	(a)	(a)
Peaches	56,714	56,454	75,877	80,990	100,730	105,764	110,286	99,217	111,203	100,157
Plums & Prunes	5,631	2,646	3,436	4,400	4,354	657	507	753	986	901
Purees, Non Cit	20,268	16,169	15,645	24,655	29,424	39,749	24,707	28,686	42,452	41,875
Blackberries	16,283	14,581	11,130	12,681	12,955	21,027	21,437	13,765	13,715	12,584
Blueberries	46,464	43,528	54,835	54,506	77,754	69,153	82,382	89,274	102,141	98,030
Boysenberries	5,101	3,549	3,524	2,561	5,493	5,234	6,706	4,936	7,278	5,619
Currants	(a)	(a)	(a)	(a)	(a)	n.a.	n.a.	n.a.	n.a.	n.a.
Loganberries	1,665	2,223	1,018	775	1,133	1,016	1,461	720	964	1,290
Olallie berries	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Raspberries, B	4,320	1,176	1,333	990	1,678	2,001	2,518	1,984	1,682	1,813
Raspberries, R	22,397	18,679	18,326	13,794	13,645	24,470	23,991	27,300	26,289	24,000
Strawberries	272,676	292,662	231,414	229,152	237,604	334,406	274,610	238,152	305,924	330,223
Misc. Fru & Ber	20,004	5,640	37,839	16,148	22,960	80,727	130,908	145,070	125,513	106,689
Total	614,315	574,269	562,220	552,880	647,575	850,162	829,746	804,691	893,894	902,785

(a) Included with Miscellaneous. *Due to lack of cooperation RSP Cherries removed from reports. n.a. - Not available.

FROZEN APPLE PACKS IN THE U.S.

Thousands of Pounds

1942	15,110	1949	52,268	1956	86,956	1963	75,429	1970	100,370	1977	97,204
1943	27,810	1950	48,013	1957	69,225	1964	86,893	1971	96,999	1978	68,337
1944	52,391	1951	28,772	1958	67,407	1965	93,392	1972	130,377	1979	60,827
1945	92,985	1952	37,649	1959	72,313	1966	94,352	1973	135,086	1980	69,109
1946	78,220	1953	42,356	1960	69,853	1967	97,634	1974	99,180	1981	105,893
1947	28,573	1954	60,094	1961	80,117	1968	117,218	1975	89,704	1982	100,378
1948	27,552	1955	72,756	1962	65,874	1969	122,293	1976	118,759	1983	75,576

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
BY REGION										
Northeast/South	37,101	21,446	21,351	21,750	44,532	45,974	57,955	59,644	38,546	50,207
Midwest	37,920	30,240	32,051	41,993	48,307	48,216	31,232	42,175	41,407	45,952
West	25,357	23,890	24,594	21,738	18,294	28,209	27,889	21,441	45,587	53,264
SIZE CLASSIFICATION										
20 lb. and less	6,080	11,118	11,235	14,890	29,228	8,572	583	8,041	9,232	10,567
25 to 28 lb.	(c)	(c)	(c)	(c)	(c)	22,938	20,578	15,965	14,507	15,704
30 lb.	72,255	44,420	43,667	19,765	45,812	49,450	51,868	45,598	29,415	39,697
32 to 60 lb.	4,058	4,750	3,574	3,132	19,580	23,155	20,737	21,563	18,208	12,266
I Q F	17,985	17,039	19,520	27,212	19,973	23,465	21,963	35,298	57,788	61,841
Barrels	(d)	[1](1,751)	(d)	20,482	[1](3,455)	[1](5,181)	1,347	[1](3,205)	[1](3,610)	9,348
Total Pack	100,378	75,576	77,996	85,481	111,133	122,399	117,076	123,260	125,540	149,423

(c) Included in 20 lb. and less. (d) Included in IQF. [1] Deficit attributable to previous year carryover.

FROZEN R.S.P. CHERRY PACKS IN THE U.S.

Compiled by The American Frozen Food Institute

Thousands of Pounds

1942	41,820	1949	70,989	1956	88,734	1963	81,644	1970	121,271	1977	154,600
1943	23,005	1950	104,459	1957	130,571	1964	202,522	1971	159,408	1978	126,300
1944	55,059	1951	99,282	1958	86,195	1965	146,355	1972	145,408	1979	116,300
1945	16,144	1952	61,867	1959	107,447	1966	87,367	1973	109,368	1980	129,009
1946	88,061	1953	115,242	1960	129,029	1967	97,792	1974	137,976	1981	85,848
1947	67,002	1954	86,695	1961	186,440	1968	141,515	1975	126,073	1982	Reports
1948	87,798	1955	114,465	1962	137,293	1969	140,688	1976	84,113		discontinued

FROZEN PEACH PACKS IN THE U. S.

Compiled by The American Frozen Food Institute

Thousands of Pounds

1942	13,801	1949	23,235	1956	45,481	1963	65,607	1970	47,471	1977	69,323
1943	17,009	1950	25,791	1957	44,462	1964	76,250	1971	59,924	1978	40,814
1944	45,563	1951	32,380	1958	43,478	1965	59,453	1972	46,316	1979	62,510
1945	103,634	1952	35,454	1959	47,259	1966	65,190	1973	81,388	1980	56,274
1946	65,140	1953	32,171	1960	72,928	1967	73,358	1974	59,058	1981	59,612
1947	27,034	1954	36,380	1961	60,774	1968	82,035	1975	40,273	1982	56,714
1948	13,598	1955	50,636	1962	53,570	1969	53,572	1976	65,101	1983	56,454

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
BY REGION										
West	54,356	n.a.	70,589	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Other	2,358	n.a.	5,288	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
SIZE CLASSIFICATION*										
Retail	(a)	(a)	(a)	2,295	(a)	2,095	4,053	2,856	3,586	2,891
Food Service †	8,509	9,290	9,693	13,085	15,911	10,940	2,252	12,122	17,723	9,397
30 lb.	5,090	1,254	851	(b)	13,758	23,356	(b)	(b)	(b)	(b)
32 lb.	12,519	14,347	14,522	14,085	15,266	6,680	18,463	23,598	22,750	36,171
Large (over 10 lb.)	14,437	5,357	22,096	27,645	24,711	11,681	71,885	42,689	(c)	(b)
IQF	11,013	(c)	(c)	(c)	21,255	38,183	(c)	(c)	(c)	45,484
Barrels	5,146	26,206	28,715	23,880	9,829	12,829	13,633	17,952	67,144	6,214
Total Pack	56,714	56,454	75,877	80,990	100,730	105,764	110,286	99,217	111,203	100,157

† 10 lb. & less. (a) Included with Food Service. (b) Included with 32 lb. (c) Included with Barrels.
n.a. - Not available. *Small quantities of various sizes were combined with nearest container size.

FROZEN BLACKBERRY PACKS IN THE U.S.

(All varieties except Olallie Berries)

Compiled by The American Frozen Food Institute

Thousands of Pounds

1942	8,229	1949	15,186	1956	12,845	1963	20,675	1970	29,186	1977	23,352
1943	8,310	1950	8,973	1957	19,157	1964	23,851	1971	27,536	1978	19,579
1944	16,173	1951	14,574	1958	13,604	1965	23,251	1972	21,164	1979	14,823
1945	21,503	1952	10,628	1959	15,770	1966	25,812	1973	8,249	1980	20,874
1946	19,750	1953	17,966	1960	26,970	1967	20,722	1974	21,107	1981	16,997
1947	14,510	1954	14,156	1961	22,562	1968	22,381	1975	20,892	1982	16,283
1948	9,745	1955	16,539	1962	22,532	1969	27,184	1976	22,774	1983	14,581

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
SIZE CLASSIFICATION										
20 lb. & under	.....	.....	.....	1,921	1,546	1,549	2,565	1,671	3,230	3,501
28 & 30 lb.	6,056	3,660	1,456	3,383	1,701	3,394	2,726	2,945	2,827	1,621
I.Q.F.	6,438	5,004	4,854	3,309	6,282	13,190	11,406	5,925	5,284	7,464
Other	684	2,853	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
Barrels	3,105	3,064	4,820	4,068	3,426	2,894	4,740	3,224	2,374	[1](2)
Total Pack	16,283	14,581	11,130	12,681	12,955	21,027	21,437	13,765	13,715	12,584

(b) Included in I.Q.F.

[1] Deficit attributable to previous year's carryover and imports repacked in the U.S.

FROZEN BLUEBERRY PACKS IN THE U. S.

Thousands of Pounds

1942	1,716	1949	14,036	1956	19,639	1963	25,767	1970	21,836	1977	14,750
1943	2,700	1950	10,900	1957	24,446	1964	30,574	1971	30,441	1978	27,992
1944	4,963	1951	13,921	1958	15,982	1965	27,981	1972	30,932	1979	31,485
1945	7,829	1952	9,848	1959	16,393	1966	35,403	1973	44,376	1980	36,426
1946	10,240	1953	13,988	1960	25,230	1967	31,828	1974	24,393	1981	50,141
1947	5,407	1954	20,971	1961	21,990	1968	27,750	1975	24,572	1982	46,464
1948	7,661	1955	21,020	1962	26,452	1969	37,663	1976	26,261	1983	43,528

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
BY REGION										
Northeast*	26,427	21,747	30,013	29,133	43,402	40,839	47,032	44,260	60,683	51,601
Midwest	16,172	17,686	22,471	21,653	31,323	23,283	27,606	37,092	34,033	36,277
West	3,865	4,095	2,351	3,720	3,029	5,031	7,744	7,922	7,425	10,152
SIZE CLASSIFICATION										
10 lb. & less	3,652	3,422	5,545	6,359	5,360	6,733	25,160	17,878	17,746	20,224
20 lb.	(a)	(a)	(a)	3,656	11,879	9,609	9,262	15,132	(b)	12,846
30 lb.	34,888	35,237	46,116	27,795	52,474	44,751	50,027	42,355	47,558	45,263
Other (over 10 lb)	6,481	573	5,077	.....	10,559	12,325	1,519	3,209	(c)	1,825
I.Q.F.	4,079	4,814	7,469	16,412	16,615	18,308	15,867	19,288	25,419	34,651
Barrels	†(2,636)	†(518)	†(9,372)	284	†(19,133)	†(22,573)	†(19,453)	†(8,588)	11,418	†(16,779)
Total Pack	46,464	43,528	54,835	54,506	77,754	69,153	82,382	89,274	102,141	98,030

(a) Included in "Other". (b) Included in 30 lb. (c) Included in I.Q.F. *Includes small southern pack.
† Deficit attributable to previous year's carryover.

FROZEN RED RASPBERRY PACKS IN THE U. S.

Thousands of Pounds - *Compiled by The American Frozen Food Institute*

1942	14,206	1949	25,682	1956	9,184	1963	31,441	1970	25,409	1977	23,222
1943	14,608	1950	20,439	1957	30,365	1964	25,335	1971	24,467	1978	19,742
1944	13,117	1951	19,414	1958	24,463	1965	27,631	1972	20,485	1979	19,611
1945	13,255	1952	18,365	1959	24,691	1966	31,575	1973	26,625	1980	18,640
1946	23,905	1953	24,895	1960	28,041	1967	27,394	1974	20,323	1981	22,811
1947	25,401	1954	23,502	1961	23,127	1968	23,078	1975	24,666	1982	22,397
1948	23,198	1955	25,730	1962	27,631	1969	27,657	1976	20,841	1983	18,679

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
SIZE CLASSIFICATION										
Retail	4,739	4,504	4,665	6,860	3,141	5,058	5,316	4,223	4,595	4,346
Food Service	274	802	761	2,024	1,488	1,801	2,601	2,803	1,476	3,703
Bulk	17,384	13,373	12,900	4,910	9,016	17,611	16,074	20,274	20,218	15,951
Total Pack	22,397	18,679	18,326	13,794	13,645	24,470	23,991	27,300	26,289	24,000

FROZEN STRAWBERRY PACKS IN THE U.S.

Thousands of Pounds - *Compiled by the American Frozen Food Institute*

1942	63,776	1949	107,600	1956	312,293	1963	234,440	1970	201,572	1977	220,391
1943	29,829	1950	192,732	1957	259,262	1964	252,646	1971	199,399	1978	159,834
1944	34,826	1951	157,729	1958	261,529	1965	191,613	1972	146,842	1979	187,572
1945	36,917	1952	200,302	1959	248,227	1966	236,492	1973	168,552	1980	253,072
1946	78,059	1953	225,963	1960	217,477	1967	213,340	1974	170,371	1981	210,558
1947	109,036	1954	221,446	1961	222,694	1968	213,275	1975	183,895	1982	272,676
1948	160,077	1955	272,970	1962	234,620	1969	178,693	1976	216,153	1983	292,662

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
BY REGION										
South & Midwest*	4,225	7,315	3,451	5,983	6,442	4,305	*3,481	*4,269	4,321	3,849
Northwest	68,875	90,638	63,210	60,092	51,806	80,722	82,863	50,942	46,108	45,647
California	199,576	194,709	164,753	163,077	179,356	249,379	188,266	182,941	255,495	280,727
BY STYLE										
Whole	117,277	129,441	109,004	108,145	101,189	145,151	132,224	117,088	144,401	165,262
Sliced	155,399	163,221	122,410	121,007	136,415	189,255	142,386	121,064	161,523	164,961
SIZE CLASSIFICATION										
Retail	66,457	55,852	58,988	54,003	46,936	55,119	54,234	56,182	62,130	68,680
Food Service	35,494	51,005	32,760	34,915	43,503	66,125	58,265	44,260	67,289	41,961
10 to 27 lb.	6,155	8,591	11,543	3,286	3,169	3,010	(b)	1,722	(b)	(b)
28 lb.	(a)	(a)	(a)	6,949	[2]4,218	5,963	6,950	9,110	8,715	14,211
30 lb.	64,504	73,679	39,809	45,045	[2]61,884	75,577	50,893	41,691	64,565	70,231
32 to 55 lb.	24,389	21,225	6,585	15,353	11,796	8,586	8,356	14,911	15,775	22,837
I.Q.F.	30,407	28,771	[1]31,219	[1]26,342	23,120	46,451	40,292	31,341	[1]35,642	46,474
Barrels	45,270	53,539	[1]50,510	[1]43,259	42,978	73,575	55,620	38,935	[1]51,808	65,829
Total Pack	272,676	292,662	231,414	229,152	237,604	334,406	274,610	238,152	305,924	330,223

*Includes Midwest only in 1988 & 1989. (a) Included in 10 to 27 lb. (b) Included in 28 lb. [1] Small quantity I.Q.F. included in barrels. [2] Small quantity 28 lb. included in 30 lb.

FROZEN CONCENTRATED CITRUS JUICES(a)

Source: Florida Citrus Processors Association and American Frozen Food Institute.
Thousands of Gallons Concentrated (Unreconstituted) Basis

Year	Orange	Grapefruit	Lemon	Grapefruit Orange	Lemonade	Tangerine	Limeade
1948-49	12,196	116	n.a.	112	n.a.	n.a.	n.a.
1949-50	25,137	1,665	91	1,336	1,702	n.a.	n.a.
1950-51	34,938	188	205	245	3,437	n.a.	n.a.
1951-52	47,743	1,098	317	536	5,751	349	n.a.
1952-53	51,264	1,226	574	480	8,628	551	n.a.
1953-54	66,978	1,677	1,316	965	9,845	443	n.a.
1954-55	65,481	1,155	908	561	8,268	877	992
1955-56	69,592	2,542	854	954	10,388	619	1,320
1956-57	72,455	2,949	1,691	597	10,031	793	684
1957-58	64,000	3,330	233*	507	11,850*	141	438
1958-59	79,981	4,952	2,216	690	12,807	1,152	885
1959-60	77,999	1,639	1,150*	284	14,750*	324	845
1960-61	84,374	3,841	93*	256	8,450*	1,407	728
1961-62	115,866	3,163	n.a.	267	n.a.	1,370	822
1962-63	51,648	2,323	n.a.	53	n.a.	205	546
1963-64	53,674	2,573	n.a.	130	n.a.	1,146	1,196
1964-65	88,869	4,000	n.a.	70	n.a.	1,154	656
1965-66	76,695	3,971	n.a.	50	n.a.	715	590
1966-67	131,755	5,485	n.a.	29	n.a.	1,120	503
1967-68	83,697	1,814	n.a.	10	n.a.	582	983
1968-69	103,750	5,920	n.a.	36	n.a.	1,051	852
1969-70	124,947	4,294	n.a.	16	n.a.	785	1,345
1970-71	125,187	6,870	n.a.	18	n.a.	1,090	1,648
1971-72	134,229	8,798	n.a.	22	n.a.	1,220	1,498
1972-73	176,073	8,658	n.a.	3	n.a.	1,072	936
1973-74	171,846	9,026	n.a.	11	n.a.	1,019	1,530
1974-75	178,174	7,847	n.a.	4	n.a.	1,147	1,921
1975-76	186,265	9,316	n.a.	-	n.a.	1,111	1,307
1976-77	158,035	11,258	n.a.	-	n.a.	926	1,272
1977-78	161,203	13,692	n.a.	-	n.a.	1,671	1,853
1978-79	173,053	14,243	n.a.	-	n.a.	1,367	2,624
1979-80	231,257	19,443	n.a.	-	n.a.	2,142	1,851
1980-81	174,537	20,763	n.a.	-	n.a.	1,175	n.a.
1981-82	133,294	21,869	n.a.	-	n.a.	924	n.a.
1982-83	169,577	14,483	n.a.	-	n.a.	334	n.a.
1983-84	121,216	19,291	n.a.	-	n.a.	636	n.a.
1984-85	118,472	24,802	n.a.	-	n.a.	285	n.a.
1985-86	132,406	24,162	n.a.	-	n.a.	368	n.a.
1986-87	145,056	28,875	n.a.	-	n.a.	373	n.a.
1987-88	169,973	31,906	n.a.	-	n.a.	583	n.a.
1988-89	174,717	32,466	n.a.	-	n.a.	495	n.a.
1989-90	90,285	21,774	n.a.	-	n.a.	371	n.a.
1990-91	151,396	21,672	n.a.	-	n.a.	279	n.a.

*Trade estimate only - not verified. n.a.-Not available. NOTE: Prior to 1965-66, production was reported on a 42° Brix basis; on a 45° Brix basis 1966-67 thru 1979-80; on a 43.4° Brix basis in 1980-81; on a 42° Brix basis since 1981. (a) Not included in Fruit & Berry Pack totals.

NON-CITRUS CONCENTRATES AND JUICES(a)

Thousands of Gallons

1958	814
1959	1,911
1960	1,425
1961	1,625
1962	2,285
1963	4,136
1964	2,843
1965	749
1966	735
1967	603
1968	431
1969	1,661
1970	1,534
1971	2,088
1972	2,824
1973	2,518
1974	3,479
1975	4,389
1976	2,512
1977	3,003
1978	6,005
1979	5,340
1980	6,311
1981	18,472
1982	23,778
1983	26,022
1984	28,884
1985	20,826
1986	22,673
1987	13,359
1988	21,040
1989	25,027
1990	34,216
1991	44,321

(a) Not included in Fruit & Berry Pack totals.

† FROZEN FRUIT AND BERRY—SUPPLY—STOCKS—MOVEMENT

Source: Economic Research Service, USDA; Pack data from American Frozen Food Institute; stocks, Statistical Reporting Service USDA; imports, Bureau of Census, U.S. Department of Commerce.

MILLION POUNDS

Items and season	Carryin	Pack	Imports	Total supply	Disappearance to Mar. 31	Stocks Mar. 31	Total season disappearance
Apples							
1980/81	36.0	69.1	-	105.1	28.2	76.9	65.1
1981/82	40.0	105.9	-	145.9	73.9	72.0	115.3
1982/83	30.6	100.4	-	131.0	63.7	67.3	94.1
1983/84	36.9	75.6	-	112.5	31.1	81.4	81.3
1984/85	31.2	78.0	-	109.2	45.6	63.6	77.2
1985/86	32.0	85.5	-	117.5	43.0	74.5	73.1
1986/87	44.4	111.1	-	155.5	81.4	74.1	114.5
1987/88	41.0	122.4	-	163.4	76.5	86.9	128.1
1988/89	35.3	117.1	-	152.4	71.4	81.0	119.6
1989/90	32.8	123.3	-	156.1	65.4	90.7	P
Apricots							
1980/81	5.4	10.4	-	15.8	11.5	4.3	12.9
1981/82	2.9	13.6	-	16.5	13.0	3.5	13.0
1982/83	3.5	16.8	-	20.3	14.4	5.9	16.7
1983/84	3.6	14.1	-	17.7	12.5	5.2	13.9
1984/85	3.8	16.7	-	20.5	14.1	6.4	15.8
1985/86	4.7	11.8	-	16.5	12.0	4.5	13.2
1986/87	3.3	14.3	-	17.6	15.1	2.5	16.4
1987/88	1.2	22.2	-	23.4	18.4	5.0	20.0
1988/89	3.4	14.7	-	18.1	14.1	4.0	14.9
1989/90	3.2	17.6	-	20.8	15.2	5.6	17.3
Cherries*							
1980/81	28.2	139.8	-	168.0	108.0	60.0	131.4
1981/82	36.6	100.0	-	136.6	90.2	46.4	108.1
1982/83	28.5	176.4	-	204.9	161.6	43.3	183.1
1983/84	4.9	17.3	-	22.2	12.7	9.5	16.1
1984/85	6.1	13.3	-	19.4	8.5	10.9	12.8
1985/86	6.6	10.3	-	16.9	5.8	11.1	9.8
1986/87	7.1	14.4	-	21.5	13.2	8.3	15.1
1987/88	6.4	21.3	-	27.7	18.2	9.5	20.9
1988/89	6.8	18.5	-	25.3	7.6	17.7	9.7
1989/90	15.6	14.0	-	29.6	12.9	16.7	16.7
Peaches							
1980/81	20.3	56.3	-	76.6	41.0	35.6	54.7
1981/82	21.9	59.6	-	81.5	43.7	37.8	56.6
1982/83	24.9	56.7	-	81.6	46.3	35.3	59.3
1983/84	22.3	56.5	-	78.8	51.7	27.1	65.1
1984/85	13.7	75.9	-	89.6	50.0	39.6	71.0
1985/86	18.6	81.0	-	99.6	74.1	25.5	90.3
1986/87	9.3	100.7	-	110.0	85.7	24.3	98.0
1987/88	12.0	105.8	-	117.8	61.6	56.2	79.1
1988/89	38.7	110.3	-	149.0	75.5	73.5	107.2
1989/90	41.8	99.2	-	141.0	77.6	63.5	100.2
Strawberries							
1980/81	103.3	253.1	76.0	432.4	325.1	107.3	327.1
1981/82	105.3	210.6	43.5	359.4	289.6	69.8	289.6
1982/83	69.8	272.7	35.5	378.0	286.6	91.4	291.1
1983/84	86.9	292.6	44.6	424.1	286.5	137.6	290.9
1984/85	133.2	231.4	61.4	426.0	306.5	119.5	313.6
1985/86	112.4	229.1	53.6	395.1	284.9	110.2	290.9
1986/87	104.2	237.6	79.9	421.7	321.2	100.5	280.7
1987/88	141.0	334.5	53.8	529.3	367.4	161.9	364.2
1988/89	165.1	274.6	61.6	501.3	346.8	154.5	350.1
1989/90	151.2	238.2	75.3	464.6	341.1	123.5	243.6

See footnote on following page.

FROZEN FRUIT AND BERRY—SUPPLY—STOCKS—MOVEMENT—*Continued*

MILLION POUNDS

Items and season	Carryin	Pack	Imports	Total supply	Disappearance to Mar. 31	Stocks Mar. 31	Total season disappearance
Blackberries							
1980/81	6.1	20.9	-	27.0	7.7	19.3	11.3
1981/82	15.7	17.0	-	32.7	15.5	17.2	20.2
1982/83	12.5	16.3	-	28.8	18.3	10.5	20.7
1983/84	8.1	14.6	-	22.7	15.6	7.1	18.1
1984/85	4.6	11.1	-	15.7	7.3	8.4	10.7
1985/86	5.0	12.7	-	17.7	8.4	9.3	11.1
1986/87	6.6	13.0	-	19.6	7.2	12.4	9.6
1987/88	10.0	21.0	-	31.0	15.0	16.0	20.8
1988/89	10.2	21.4	-	31.6	15.4	16.2	22.2
1989/90	9.4	13.8	-	23.2	11.9	11.3	15.0
Blueberries							
1980/81	18.0	36.4	5.7	58.1	40.3	17.8	50.1
1981/82	8.0	50.1	4.2	62.3	47.6	14.7	56.4
1982/83	5.9	46.5	6.0	58.4	39.1	19.3	49.1
1983/84	9.3	43.5	11.2	64.0	21.0	43.0	30.2
1984/85	33.8	54.8	11.1	99.7	64.6	35.1	79.6
1985/86	20.1	54.5	10.9	85.5	47.6	37.9	65.1
1986/87	20.4	77.8	10.2	108.4	75.9	32.5	90.4
1987/88	18.0	69.2	14.7	101.9	70.1	31.8	86.1
1988/89	15.8	82.4	9.8	108.0	62.7	45.3	83.4
1989/90	24.6	89.3	18.2	132.1	82.9	49.2	101.6
Raspberries							
1980/81	5.8	21.4	-	27.0	17.6	9.4	22.3
1981/82	4.7	26.2	-	30.9	22.1	8.8	26.0
1982/83	4.9	26.7	1.2	32.8	16.6	16.2	14.0
1983/84	18.8	19.9	4.2	42.9	29.3	13.6	32.9
1984/85	10.0	19.6	3.3	32.9	14.3	18.6	22.2
1985/86	10.7	14.8	9.5	35.0	19.2	15.8	22.6
1986/87	12.4	15.3	12.6	40.3	23.8	16.5	12.7
1987/88	27.6	26.5	3.1	57.2	30.6	26.6	39.8
1988/89	17.4	26.5	4.8	48.7	24.0	24.7	29.2
1989/90	19.5	29.2	6.4	55.1	28.7	26.4	35.4
Total							
1980/81	220.9	607.4	81.7	910.0	579.4	325.2	674.9
1981/82	235.1	583.0	47.7	865.8	595.6	270.2	685.2
1982/83	180.6	712.5	42.6	935.8	646.4	289.2	728.1
1983/84	190.8	534.1	60.0	784.9	460.4	324.5	548.5
1984/85	236.4	500.8	75.8	813.0	510.9	302.1	112.7
1985/86	210.1	489.0	74.0	773.1	484.3	288.8	522.7
1986/87	207.7	584.2	102.7	894.6	653.5	271.1	637.4
1987/88	257.2	722.9	71.6	1,051.7	657.8	393.9	759.0
1988/89	292.7	665.5	76.2	1,034.4	617.5	416.9	736.3
1989/90	298.1	624.5	99.9	1,022.5	635.7	386.8	P

[1] Season beginning May 1 for strawberries, June 1 for apricots, October 1 for apples and July 1 for all other items. [*] Excludes tart varieties beginning 1983/84. P - Not available at press time. † Data for 1990/91 and 1991/92 not available at press time this Almanac 7/1/92.

For Detailed Information on The New

Special **DELUXE** *Edition*

THE DIRECTORY

OF THE CANNING, FREEZING, PRESERVING INDUSTRIES

See Page 317

THE ALMANAC

OF THE CANNING, FREEZING, PRESERVING INDUSTRIES

Section IX

INTERNATIONAL TRADE AND WORLD PACKS

CANNED, FROZEN AND PRESERVED FOODS

EDITORS NOTE: Some 1989 and later U.S. Import & Export data is not strictly comparable to previous years. Beginning 1989 the U.S. Dept. of Commerce commodity classification system was converted to the nomenclature structure of the Harmonized Commodity Description and Coding System. The Harmonized System is intended for multi-national use in classifying commodities in international trade. In some cases, data is listed as not available (n.a.) because it is no longer reported as it had been previously or because Almanac Editors were unable to obtain the data prior to press time 7/1/92.

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U.S. EXPORTS CANNED AND FROZEN FOODS

Source: Foreign Agricultural Service, U.S. Department of Agriculture
and National Marine Fisheries Service, NOAA, U.S. Department of Commerce

	†1987		†1988		1989		1990		1991	
HL = Hectoliters	1,000 HL	Value $1,000	1,000 HL	Value $1,000	1,000 HL	Value $1,000	1,000 HL	Value $1,000	1,000 HL	Value $1,000
FRUIT JUICES										
Grapefruit										
Frozen Conc.	490.3	24,200	754.0	35,310	381.2	23,943	363.3	24,403	406.7	25,161
Not Froz. Conc.	78.2	3,498	73.2	3,660	54.9	3,366	(a)	(a)	(a)	(a)
Single Strength	75.2	4,446	130.0	5,892	169.2	9,145	254.7	17,770	227.6	14,642
Tot. Grapefruit	643.7	32,144	957.2	44,862	605.3	36,454	618.0	42,173	634.3	39,803
Lemon										
Froz. Conc.	79.3	3,277	112.3	3,797	58.1	3,537	78.2	4,701	51.1	2,778
Not Froz. Conc.	(b)	(b)	(b)	(b)	15.0	992	37.7	2,258	44.4	2,842
Total Lemon	n.a.	n.a.	n.a.	n.a.	73.1	4,529	115.9	6,959	95.5	5,620
Orange										
Froz. Conc. Un. 1 L.	516.4	26,613	440.1	28,117	426.6	26,346	989.1	46,137	1,159.6	53,449
Froz. Conc. 1-4 L.	268.8	12,706	260.5	14,570	451.6	24,988	364.6	19,962	434.4	20,872
Froz. Conc. Ov. 4 L.	1,032.4	33,720	1,391.2	56,894	1,328.2	54,714	1,811.5	75,417	1,619.7	63,189
Not Froz. Conc.	136.7	5,033	166.0	8,028	206.9	14,197	(a)	(a)	(a)	(a)
Single Strength	170.5	8,749	298.3	13,888	408.7	17,586	369.5	35,332	454.8	38,301
Total Orange	2,124.8	86,821	2,556.1	121,497	2,822.0	137,831	3,534.6	176,848	3,668.5	175,811
Citrus, nes										
Conc.	263.4	7,197	442.4	15,001	100.5	4,569	93.3	4,854	116.2	6,184
Single Strength	51.9	2,036	82.0	2,996	76.8	1,858	129.9	2,275	162.6	3,556
Apple										
Froz. Conc.	(c)	(c)	(c)	(c)	n.a.	n.a.	85.4	6,496	85.7	6,991
Not Froz. Conc.	(c)	(c)	(c)	(c)	n.a.	n.a.	38.9	3,613	77.8	6,166
Single Strength	(c)	(c)	(c)	(c)	n.a.	n.a.	442.9	29,198	440.4	29,728
Total Apple	(c)	(c)	(c)	(c)	263.1	16,459	567.2	39,307	603.9	42,885
Grape										
Froz. Conc.	88.1	4,719	130.4	5,984	131.7	9,818	116.9	8,731	188.6	14,010
Not Froz. Conc.	187.0	11,073	267.7	14,224	307.0	28,380	374.2	30,670	266.3	20,408
Single Strength	40.7	1,641	34.2	1,933	169.8	5,557	203.0	6,949	160.7	6,061
Total Grape	315.8	17,433	432.3	22,141	608.5	43,755	694.1	46,350	615.6	40,479
Pineapple										
Conc.	(c)	(c)	(c)	(c)	47.4	3,183	75.4	4,934	91.4	6,265
Single Strength	48.6	3,083	60.1	3,496	53.2	2,646	53.5	2,985	57.8	2,963
Tot. Pineapple	n.a.	n.a.	n.a.	n.a.	100.6	5,829	128.9	7,919	149.2	9,228
Juice of any Other Single Fr. or Veg. nes	755.5	34,540	1,090.0	50,795	358.5	17,207	469.8	24,372	585.6	31,186
Juice Mixtures nes.	(c)	(c)	(c)	(c)	461.7	17,607	431.6	18,728	521.4	23,816
VEGETABLE JUICES*										
Tomato	53.4	3,363	75.3	3,892	58.1	2,872	66.2	3,538	91.7	4,694
Veg. Mixtures	25.6	1,902	44.2	2,317	50.5	2,280	49.0	2,177	49.0	2,153

	†1987		†1988		1989		1990		1991	
	Metric Tons	Value $1,000	Metric Tons	Value $1,000	Metric Tons	Value $1,000	Metric Tons	Value $1,000	Metric Tons	Value $1,000
CANNED VEGETABLES										
Asparagus	753	1,595	1,636	2,768	1,400	2,515	1,730	2,378	1,416	1,957
Beans, dry	2,603	1,684	9,236	6,533	2,460	1,466	6,455	4,070	8,603	4,738
Beans, except dry	6,501	5,617	7,533	7,517	6,588	6,639	5,127	5,052	11,367	7,645
Corn	90,918	66,442	115,416	89,682	98,900	80,627	129,685	99,215	131,324	102,326
Mushrooms	219	351	498	372	622	1,279	1,810	2,828	2,843	4,343
Peas	1,579	1,013	1,370	1,012	3,034	4,058	2,810	3,125	6,716	6,024
Potatoes	(d)	(d)	(d)	(d)	2,886	4,447	4,642	6,371	4,930	7,737
Sauerkraut	(d)	(d)	(d)	(d)	535	391	1,237	833	1,641	1,109
Tomatoes	3,646	2,125	5,373	3,224	4,138	2,958	5,896	4,333	9,149	7,812
Tomato Paste	9,269	7,721	12,072	10,816	13,745	13,783	35,372	36,400	44,115	44,752
Catsup	10,633	8,550	11,987	9,354	11,709	9,410	14,304	10,751	17,240	14,693
Other Tom. Sauce	2,936	2,291	7,899	7,195	26,663	20,811	22,797	21,175	35,900	34,719
Tomato nes. incl. Puree	1,137	1,052	2,153	1,742	5,095	3,817	2,921	2,275	4,740	3,735
Veg. homogenized	1,899	1,785	2,094	2,289	1,848	2,036	1,505	2,356	1,935	2,928
Vegetables nes	13,003	16,440	15,916	19,472	12,519	15,633	16,609	19,254	17,141	20,866
FROZEN VEGETABLES										
Carrots	3,789	2,046	8,202	3,704	696	344	1,798	1,278	n.a.	n.a.
Corn	40,246	28,762	51,582	38,056	54,984	41,667	58,919	47,515	57,808	46,299
Peas	12,533	8,172	16,029	10,633	7,413	5,837	7,135	5,456	7,791	5,524
Potatoes, FF	96,602	68,745	120,496	82,093	145,045	93,864	175,034	124,225	171,371	125,513
Potatoes, Other	14,974	13,838	19,719	14,194	19,753	17,301	16,199	17,197	14,502	13,931
Spinach	(e)	(e)	(e)	(e)	1,697	2,030	3,108	2,743	3,222	2,893
Other	23,072	21,772	35,276	32,752	48,973	48,280	53,745	57,463	n.a.	n.a.

See footnotes at end of Exports.

U.S. EXPORTS CANNED AND FROZEN FOODS—Continued

	†1987		†1988		1989		1990		1991	
	Metric Tons	Value $1,000	Metric Tons	Value $1,000	Metric Tons	Value $1,000	Metric Tons	Value $1,000	Metric Tons	Value $1,000
PICKLED VEGETABLES										
Cucumbers	11,192	4,073	12,206	3,971	8,046	2,832	10,177	7,291	11,512	8,066
Onions	n.a.	n.a.	n.a.	n.a.	128	130	134	248	389	296
CANNED PORK										
Ham cuts	n.a.	n.a.	n.a.	n.a.	475	1,244	247	600	n.a.	n.a.
Shoulder cuts	n.a.	n.a.	n.a.	n.a.	755	2,332	588	1,702	n.a.	n.a.
Other cuts	n.a.	n.a.	n.a.	n.a.	162	527	204	786	n.a.	n.a.
SOUPS										
Dried	2,857	4,881	2,954	6,929	5,618	8,936	10,393	23,614	n.a.	n.a.
Other	10,442	10,393	12,808	12,308	14,253	14,655	17,300	19,540	n.a.	n.a.
CANNED FRUITS										
Apricots	481	616	899	1,127	1,072	1,337	911	1,267	1,596	1,987
Cherries, Mara	2,445	3,901	2,492	4,612	2,010	3,717	2,439	3,993	3,076	5,848
Cherries, Sweet	3,894	5,721	4,366	6,847	4,388	7,180	5,475	8,238	3,925	6,603
Cherries, Tart	1,401	1,193	894	900	2,938	3,066	3,065	3,223	3,869	4,977
Strawberries	(f)	(f)	(f)	(f)	1,368	1,285	1,862	2,100	3,004	3,728
Berries, other (g)	1,359	1,330	1,176	2,179	1,658	1,381	1,965	2,761	2,075	2,634
Grapefruit	1,499	1,344	1,251	1,117	1,143	1,441	906	947	1,776	2,761
Other citrus	1,972	2,671	2,219	2,715	8,481	5,988	8,290	6,346	13,528	9,984
Olives (h)	1,638	2,961	1,705	3,224	2,510	4,039	1,963	3,586	2,365	4,553
Peaches	15,536	12,887	18,436	16,585	15,890	15,063	16,355	15,038	19,717	18,941
Pears	1,124	1,014	979	980	1,289	1,230	2,977	2,747	3,653	3,423
Pineapple	7,236	5,619	12,494	10,373	9,026	7,111	7,024	5,699	8,049	7,515
Fruit Mixtures	22,725	22,632	23,715	24,204	18,334	18,985	25,048	26,410	31,454	32,181
Other Fruits nes	5,520	7,158	4,607	6,158	7,154	8,465	10,163	12,478	14,254	15,771
Fruit, Homogenized	3,247	3,145	1,647	1,850	6,929	6,141	5,483	6,477	13,270	13,094
Fruit Paste & Puree										
Citrus	(j)	(j)	(j)	(j)	953	909	374	489	494	583
Non Citrus	9,227	7,045	7,808	6,926	4,978	4,862	6,582	7,512	7,062	8,268
Jams, Jellies, Marmalades										
Citrus	(j)	(j)	(j)	(j)	2,196	2,811	2,798	3,434	2,491	3,130
Non Citrus	2,733	4,422	3,282	5,725	4,124	5,718	5,292	7,927	5,391	8,568
FROZEN FRUITS										
Blueberries	9,107	5,689	11,883	6,906	11,162	6,503	15,628	9,345	16,859	13,192
Strawberries	4,908	6,080	8,081	9,475	9,285	10,584	14,868	19,957	11,839	16,288
Other Berries	6,970	5,270	3,308	4,283	1,402	1,534	1,224	2,058	1,389	1,900
Cherries, Sweet	1,696	2,226	2,220	2,869	2,947	3,629	1,776	2,313	983	1,565
Cherries, Tart	776	505	393	287	487	388	658	628	2,095	1,491
Other fruit	5,937	4,767	3,801	4,052	6,359	8,913	5,331	7,680	8,397	13,571
DRIED FRUITS										
Apples	938	1,386	1,054	1,344	1,812	2,554	3,776	6,538	n.a.	n.a.
Apricots	n.a.	n.a.	n.a.	n.a.	1,260	3,935	1,087	3,643	n.a.	n.a.
Prunes	55,058	87,913	59,087	94,772	62,934	101,189	80,312	118,398	100,195	125,841
Raisins	84,666	128,697	99,171	154,554	92,987	150,010	120,718	176,178	132,529	181,912
Fruit mixtures	1,567	3,027	1,508	3,365	3,007	3,533	3,959	8,680	n.a.	n.a.
Other fruits	n.a.	n.a.	n.a.	n.a.	3,429	6,769	2,096	4,893	n.a.	n.a.
CANNED FISH										
Anchovies	(m)	(m)	(m)	(m)	98	320	113	306	131	483
Herring	(m)	(m)	(m)	(m)	567	1,030	546	1,003	598	1,101
Mackerel	(m)	(m)	(m)	(m)	268	239	196	285	967	1,024
Salmon in oil	(m)	(m)	(m)	(m)	104	405	197	801	609	2,071
Salmon not in oil										
Chum	1,114	3,492	486	2,478	1,153	6,262	632	2,250	837	2,703
Pink	7,888	32,077	6,215	31,577	8,091	35,871	9,674	38,120	11,821	40,737
Sockeye	5,031	37,704	5,383	38,094	6,810	40,314	10,481	56,580	12,258	68,930
Other	2,252	12,543	2,839	19,419	1,175	6,868	1,424	6,526	4,421	19,203
Sardines	453	688	3,880	7,902	4,060	7,823	4,072	9,155	4,733	9,394
Tuna (m)	2,465	6,828	2,763	8,964	2,798	9,211	3,922	13,211	4,551	15,744
CANNED SHELLFISH										
Abalone	n.a.	n.a.	n.a.	n.a.	981	31,291	789	31,022	893	35,510
Clams	n.a.	n.a.	n.a.	n.a.	552	1,816	1,093	3,223	918	3,117
Crab, dungeness	n.a.	n.a.	n.a.	n.a.	1	17	3	18	.....	.....
Crab, king	n.a.	n.a.	n.a.	n.a.	16	80	34	212	24	248
Crab, snow	n.a.	n.a.	n.a.	n.a.	2	41	9	108	21	148
Crab, other	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	20	214	n.a.	n.a.
Lobster	n.a.	n.a.	n.a.	n.a.	35	275	14	140	5	73
Scallops	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	52	155	n.a.	n.a.
Shrimp & prawns	n.a.	n.a.	n.a.	n.a.	927	5,506	1,117	6,523	967	6,441

See footnotes at end of exports.

U.S. EXPORTS CANNED AND FROZEN FOODS—Continued

	†1987		†1988		1989		1990		1991	
	Metric Tons	Value $1,000	Metric Tons	Value $1,000	Metric Tons	Value $1,000	Metric Tons	Value $1,000	Metric Tons	Value $1,000
FRESH & FROZEN FISH										
Freshwater fish...	n.a.	n.a.	n.a.	n.a.	2,046	4,868	3,100	7,733	1,680	5,203
Flatfish	n.a.	n.a.	n.a.	n.a.	24,755	76,524	34,560	82,807	78,931	136,600
Groundfish	n.a.	n.a.	n.a.	n.a.	26,517	56,203	85,639	143,262	100,736	187,698
Salmon..........	n.a.	n.a.	n.a.	n.a.	149,032	728,257	139,577	666,583	115,901	436,975
Tuna............	n.a.	n.a.	n.a.	n.a.	7,928	38,744	8,969	45,085	7,748	39,818
Other saltwater...	n.a.	n.a.	n.a.	n.a.	129,758	220,847	204,443	328,122	175,511	317,119
Blocks..........	n.a.	n.a.	n.a.	n.a.	16,010	36,323	123,387	214,679	117,961	345,765
Fillets & Steaks...	n.a.	n.a.	n.a.	n.a.	25,801	78,128	20,853	66,320	30,175	86,866
Sticks & similar...	n.a.	n.a.	n.a.	n.a.	23,384	49,643	36,587	63,820	18,334	49,750
FRESH & FROZEN SHELLFISH										
Crabs	n.a.	n.a.	n.a.	n.a.	37,044	246,292	48,781	351,790	81,262	424,018
Crabmeat........	n.a.	n.a.	n.a.	n.a.	802	5,362	1,844	10,294	1,055	5,717
Lobster	n.a.	n.a.	n.a.	n.a.	4,788	45,155	6,732	62,183	9,540	82,492
Rock lobster	n.a.	n.a.	n.a.	n.a.	2,103	15,901	1,180	12,311	909	11,232
Scallops.........	n.a.	n.a.	n.a.	n.a.	868	6,482	2,863	19,518	2,846	21,328
Shrimp										
Shell-on	n.a.	n.a.	n.a.	n.a.	(n)	(n)	(n)	(n)	1,767	15,346
Peeled	n.a.	n.a.	n.a.	n.a.	9,436	67,537	13,235	112,212	9,899	86,958
Shellfish nes	n.a.	n.a.	n.a.	n.a.	4,030	23,389	5,114	22,691	5,862	28,346
Misc. seafoods										
Squid	n.a.	n.a.	n.a.	n.a.	21,014	40,926	20,301	28,534	18,393	27,231
Octopus	n.a.	n.a.	n.a.	n.a.	78	218	272	829	424	1,459
Other	n.a.	n.a.	n.a.	n.a.	5,620	68,424	6,563	66,110	2,991	12,836

† See Editor's Note in box at beginning of this Section (IX). *Beginning 1989 small quantity of Other Single Veg. included with Other Single Fruit. n.a. - Not available. (a) Included in single strength. (b) Included in Citrus nes. (c) Included in Other Single Fruit. (d) Included in Vegetables nes. (e) Included in Other. (f) Included in Other Berries. (g) Includes cranberries & sauce. (h) Includes olives otherwise prepared or preserved. (j) Included in Non Citrus. (k) Includes raspberries, blackberries, mulberries, loganberries, black, white or red currants, gooseberries (other than kiwi fruit). (m) For 1987 & 1988 all "Other" canned fish included in Tuna. (n) Included in peeled.

U.S. IMPORTS OF CANNED & FROZEN FOODS

Source: Foreign Agricultural Service, U.S. Department of Agriculture and National Marine Fisheries Service, NOAA, U.S. Department of Commerce

	†1987		†1988		1989		1990		1991	
HL = Hectoliters	1,000 HL	Value $1,000	1,000 HL	Value $1,000	1,000 HL	Value $1,000	1,000 HL	Value $1,000	1,000 HL	Value $1,000
FRUIT JUICES										
Grapefruit										
Froz. conc........	(c)	(c)	(c)	(c)	159.8	4,243	189.7	5,114	70.4	1,595
Not Froz. conc....	(c)	(c)	(c)	(c)	4.1	215	2.1	158	2.3	206
Single Strength...	(c)	(c)	(c)	(c)	0.7	47	0.4	18	0.2	13
Tot. Grapefruit..	(c)	(c)	(c)	(c)	164.6	4,505	192.2	5,290	72.9	1,814
Lemon										
Froz. conc........	(c)	(c)	(c)	(c)	285.4	5,831	789.0	24,176	354.1	8,419
Not Froz. conc....	(c)	(c)	(c)	(c)	8.6	296	70.8	2,271	67.5	1,937
Total Lemon...	(c)	(c)	(c)	(c)	294.0	6,127	859.8	26,447	421.6	10,086
Orange										
Froz conc. un. 1 L...	(c)	(c)	(c)	(c)	110.6	3,114	26.8	1,135	8.4	457
Froz. conc. 1-4 L...	(c)	(c)	(c)	(c)	375.3	12,040	165.8	5,086	96.0	1,643
Froz conc. ov. 4 L...	(c)	(c)	(c)	(c)	9,895.7	285,997	16,883.6	608,131	12,117.5	287,452
Not Froz. conc....	(c)	(c)	(c)	(c)	4,042.9	131,020	256.9	10,389	38.1	1,573
Single Strength...	(c)	(c)	(c)	(c)	297.9	11,256	543.0	16,228	115.2	4,116
Total Orange...	(c)	(c)	(c)	(c)	14,722.4	443,427	17,876.1	640,969	12,375.2	295.241
Citrus, nes										
Conc.............	(c)	(c)	(c)	(c)	110.0	3,444	181.3	3,327	144.4	3,111
Single Strength...	(c)	(c)	(c)	(c)	9.7	556	23.4	1,011	8.0	645
Apple										
Froz. conc........	(c)	(c)	(c)	(c)	n.a.	n.a.	254.2	6,325	269.9	8,984
Not Froz. conc....	(c)	(c)	(c)	(c)	n.a.	n.a.	8,370.8	159,522	9,461.2	291,213
Single Strength...	(c)	(c)	(c)	(c)	n.a.	n.a.	223.0	6,073	104.2	5,137
Total Apple....	(c)	(c)	(c)	(c)	8,122.4	166,988	8,848.0	171,920	9,835.4	305,333
Berry	(c)	(c)	(c)	(c)	30.2	3,899	83.2	8,883	86.4	8,558
Grape										
Froz. conc........	(c)	(c)	(c)	(c)	105.4	2,635	129.4	3,134	93.2	3,182
Not Froz. conc....	(c)	(c)	(c)	(c)	557.7	13,411	992.9	22,534	653.2	17,015
Single Strength...	(c)	(c)	(c)	(c)	4.2	348	3.1	388	3.0	303
Total Grape....	(c)	(c)	(c)	(c)	667.3	16,394	1,125.4	26,056	749.3	20,501
Pear	(c)	(c)	(c)	(c)	191.6	3,943	180.0	3,231	276.9	9,147

See footnotes at end of Imports.

U.S. IMPORTS OF CANNED AND FROZEN FOODS—Continued

	† 1987		† 1988		1989		1990		1991	
	1,000 HL	Value $1,000	1,000 HL	Value $1,000	1,000 HL	Value $1,000	1,000 HL	Value $1,000	1,000 HL	Value $1,000
Pineapple										
Froz. conc.	(c)	(c)	(c)	(c)	1,440.5	27,845	1,516.5	32,584	1,322.4	34,266
Not Froz. conc.	(c)	(c)	(c)	(c)	964.3	13,944	1,301.1	23,076	1,644.5	36,575
Single Strength	(c)	(c)	(c)	(c)	396.4	13,016	565.6	19,364	550.8	21,141
Tot. Pineapple	(c)	(c)	(c)	(c)	2,801.1	54,805	3,383.2	75,024	3,517.7	91,982
Juice of any other single fruit nes.	(c)	(c)	(c)	(c)	130.0	7,824	253.5	19,060	284.8	26,391
Juice Mixtures nes.	(c)	(c)	(c)	(c)	69.2	6,025	85.8	7,923	95.3	10,170
VEGETABLE JUICES										
Juice of single veg.	(c)	(c)	(c)	(c)	13.3	1,271	14.0	1,192	22.7	1,946
Veg. Mixtures	(c)	(c)	(c)	(c)	173.1	7,870	152.0	6,854	94.6	4,206

	† 1987		† 1988		1989		1990		1991	
	Metric Tons	Value $1,000	Metric Tons	Value $1,000	Metric Tons	Value $1,000	Metric Tons	Value $1,000	Metric Tons	Value $1,000
CANNED VEGETABLES										
Artichokes	(c)	(c)	(c)	(c)	11,725	24,169	10,379	18,849	10,376	16,005
Asparagus	(c)	(c)	(c)	(c)	1,521	3,029	877	1,898	803	1,510
Bamboo shoots	(c)	(c)	(c)	(c)	22,169	19,540	25,269	21,954	32,337	33,678
Beans, dry	(c)	(c)	(c)	(c)	361	324	324	322	376	405
Beans, except dry.	(c)	(c)	(c)	(c)	3,515	3,561	3,255	2,769	2,611	2,681
Carrots	(c)	(c)	(c)	(c)	4,873	2,905	4,435	2,951	3,450	2,454
Corn	(c)	(c)	(c)	(c)	13,044	10,635	8,887	6,903	8,077	7,124
Mushrooms, straw.	(c)	(c)	(c)	(c)	3,733	9.445	4,169	9,885	4,176	8,741
Mushrooms to 225 g.	(c)	(c)	(c)	(c)	18,063	47,629	17,718	54,200	24,918	69,924
Mushrooms ov. 225 g.	(c)	(c)	(c)	(c)	34,541	78,830	24,141	54,093	25,450	49,505
Onions	(c)	(c)	(c)	(c)	837	1,007	714	930	762	1,148
Peas	(c)	(c)	(c)	(c)	23,698	15,417	12,210	10,008	13,862	13,512
Pimientos	(c)	(c)	(c)	(c)	7,296	8,850	8,182	12,027	5,037	8,892
Potatoes	(c)	(c)	(c)	(c)	266	311	700	506	n. a.	n. a.
Sauerkraut	(c)	(c)	(c)	(c)	1,925	880	886	515	402	320
Tomatoes	(c)	(c)	(c)	(c)	50,581	28,151	62,275	31,119	48,748	20,057
Tomato catsup	(c)	(c)	(c)	(c)	1,200	710	260	216	61	58
Other Tom. Sauce	(c)	(c)	(c)	(c)	2,656	1,718	8,651	5,050	4,532	3,189
Tomato paste	(c)	(c)	(c)	(c)	103,600	96,424	62,103	51,780	43,070	30,130
Tomato puree	(c)	(c)	(c)	(c)	1,351	657	1,200	651	613	342
Tomato nes	(c)	(c)	(c)	(c)	8,331	5,405	4,139	2.412	n. a.	n. a.
Water Chestnuts	(c)	(c)	(c)	(c)	31,055	24,055	33,663	26,633	38,427	29,828
Veg. homogenized.	(c)	(c)	(c)	(c)	70	118	91	128	38	40
Vegetables nes	(c)	(c)	(c)	(c)	12,489	16,644	13,033	17,620	18,569	25,134
PICKLED VEGETABLES										
Artichokes	(c)	(c)	(c)	(c)	5,966	11,091	5,569	9,798	3,614	6,006
Capers	(c)	(c)	(c)	(c)	1,098	7,142	1,222	7,064	n. a.	n. a.
Cucumbers	(c)	(c)	(c)	(c)	3,011	3,699	3,967	4,450	3,911	4,648
Onions	(c)	(c)	(c)	(c)	425	585	756	1,036	578	724
Pimientos	(c)	(c)	(c)	(c)	1,964	2,439	2,004	2,450	1,564	2,255
Vegetables nes	(c)	(c)	(c)	(c)	52,848	36,916	50,723	42,641	54,153	42,643
FROZEN VEGETABLES										
Bamboo shoots	(c)	(c)	(c)	(c)	2.900	4,087	3,242	3,739	4,475	4,956
Beans, gr. or wax.	(c)	(c)	(c)	(c)	n. a.	n. a.	3,843	3,188	n. a.	n. a.
Broccoli	(c)	(c)	(c)	(c)	111,127	69,325	110,019	73,829	65,976	42,963
Brussels Spr.	(c)	(c)	(c)	(c)	4,122	2,854	3,804	2,731	2,577	1,965
Carrots	(c)	(c)	(c)	(c)	1,819	1,459	2,061	1,712	1,329	1,168
Cauliflower	(c)	(c)	(c)	(c)	27,220	18,611	28,201	21,153	8,269	6,091
Corn	(c)	(c)	(c)	(c)	13,476	11,167	9,074	6,913	5,813	4,516
Mushrooms	(c)	(c)	(c)	(c)	375	1,129	918	2,126	929	1,985
Okra	(c)	(c)	(c)	(c)	4,125	2,215	4,589	2,394	6,796	3,917
Peas	(c)	(c)	(c)	(c)	26,145	26,948	17,505	17,681	15,218	14,234
Potatoes, f.f.	(c)	(c)	(c)	(c)	43,647	22,636	58,824	33,009	74,273	39,639
Potatoes, other	(c)	(c)	(c)	(c)	3,621	2,158	3,854	2,378	3,061	1,825
Spinach	(c)	(c)	(c)	(c)	514	382	1,579	1.043	608	465
Vegetables, nes	(c)	(c)	(c)	(c)	60,872	49,358	45,343	38,667	42,109	34,786
CANNED MEATS										
Beef, corned	(c)	(c)	(c)	(c)	29,703	69,388	29,890	74,678	n. a.	n. a.
Beef sausages	(c)	(c)	(c)	(c)	327	962	288	796	n. a.	n. a.
Beef nes	(c)	(c)	(c)	(c)	26,087	83,331	27,363	90,522	n. a.	n. a.
Ham	(c)	(c)	(c)	(c)	85,687	270,830	75,392	305,372	n. a.	n. a.
Pork shoulder	(c)	(c)	(c)	(c)	18,830	46,497	20,283	64,534	n. a.	n. a.
Pork Nes.	(c)	(c)	(c)	(c)	9,973	23,662	9,765	26,281	n. a.	n. a.
Meat sausage nes.	(c)	(c)	(c)	(c)	56	208	64	220	n. a.	n. a.
Meat, other nes	(c)	(c)	(c)	(c)	34	115	65	249	n. a.	n. a.

· See footnotes at end of Imports.

U.S. IMPORTS OF CANNED AND FROZEN FOODS—Continued

	†1987		†1988		1989		1990		1991	
	Metric Tons	Value $1,000	Metric Tons	Value $1,000	Metric Tons	Value $1,000	Metric Tons	Value $1,000	Metric Tons	Value $1,000
CANNED FRUITS										
Apples	(c)	(c)	(c)	(c)	2,917	1,355	1,996	1,548	1,981	1,208
Apricots	(c)	(c)	(c)	(c)	1,601	1,532	875	847	487	617
Bananas	(c)	(c)	(c)	(c)	13,845	7,859	10,695	6,991	9,316	7,390
Strawberries	(c)	(c)	(c)	(c)	833	1,100	467	539	987	1,120
Berries, other	(c)	(c)	(c)	(c)	794	1,523	597	1,308	659	1,511
Citrus										
Grapefruit	(c)	(c)	(c)	(c)	6,758	6,500	10,127	12,268	11,113	14,271
Mandarins & Tangerines	(c)	(c)	(c)	(c)	14,501	13,595	7,430	6,973	9,317	9,561
Oranges, other	(c)	(c)	(c)	(c)	3,226	3,711	2,202	2,686	2,470	2,864
Other citrus	(c)	(c)	(c)	(c)	1,220	1,201	400	587	939	1,342
Guavas	(c)	(c)	(c)	(c)	1,874	1,073	2,168	1,013	2,336	1,482
Lychees & Logans	(c)	(c)	(c)	(c)	2,337	3,716	2,133	3,030	n.a.	n.a.
Mangoes	(c)	(c)	(c)	(c)	1,920	2,163	2,263	3,333	2,717	3,707
Olives (a)										
Green	(c)	(c)	(c)	(c)	17,506	31,789	14,763	25,408	12,949	23,258
Green, stuffed	(c)	(c)	(c)	(c)	30,380	78,659	29,882	77,540	25,137	68,625
Not green	(c)	(c)	(c)	(c)	15,871	26,666	16,980	28,232	17,576	34,176
n.e.s.	(c)	(c)	(c)	(c)	2,531	3,970	1,318	2,246	883	2,045
Palm hearts	(c)	(c)	(c)	(c)	2,003	4,544	2,843	6,688	n.a.	n.a.
Papayas	(c)	(c)	(c)	(c)	1,184	1,030	1,275	996	1,448	1,230
Peaches	(c)	(c)	(c)	(c)	44,626	28,486	25,030	15,296	15,238	9,391
Pears	(c)	(c)	(c)	(c)	1,314	795	1,016	698	252	219
Pineapple	(c)	(c)	(c)	(c)	294,551	168,434	273,981	166,761	287,053	188,569
Satsumas	(c)	(c)	(c)	(c)	29,079	28,453	35,073	35,153	34,505	38,254
Fruit, homogenized	(c)	(c)	(c)	(c)	50	99	595	1,081	767	1,260
Fruit Mixtures	(c)	(c)	(c)	(c)	26,942	20,360	25,221	20,686	26,703	22,698
Fruit paste & pulp										
Citrus	(c)	(c)	(c)	(c)	254	304	873	560	336	197
Non citrus	(c)	(c)	(c)	(c)	16,713	11,621	22,934	16,354	31,704	23,039
Other fruit nes.	(c)	(c)	(c)	(c)	2,008	3,306	4,120	6,826	6,915	14,615
Jams, Jellies, Marmalades										
Citrus	(c)	(c)	(c)	(c)	1,180	2,543	1,917	3,809	1,375	3,174
Non citrus	(c)	(c)	(c)	(c)	15,853	20,738	20,075	21,387	16,054	19,898
FROZEN FRUITS										
Bananas & plantains	(c)	(c)	(c)	(c)	8,015	4,665	5,281	3,044	6,119	3,439
Blueberries	(c)	(c)	(c)	(c)	5,674	10,524	7,068	12,379	5,630	9,479
Raspberries	(c)	(c)	(c)	(c)	3,572	5,196	3,505	3,569	3,398	4,376
Strawberries	(c)	(c)	(c)	(c)	24,950	17,084	32,700	27,853	n.a.	27,559
Other berries	(c)	(c)	(c)	(c)	1,242	1,341	1,557	1,855	2,422	3,419
Coconut Meat	(c)	(c)	(c)	(c)	5,440	4,690	4,737	4,316	n.a.	n.a.
Melons	(c)	(c)	(c)	(c)	2,803	2,308	2,342	1,750	n.a.	n.a.
Pineapple	(c)	(c)	(c)	(c)	2,394	1,565	1,587	1,447	951	901
Other fruit	(c)	(c)	(c)	(c)	4,013	3,944	3,861	4,026	5,425	5,233
DRIED FRUITS										
Apples	(c)	(c)	(c)	(c)	2,491	5,424	1,853	3,865	n.a.	n.a.
Apricots	(c)	(c)	(c)	(c)	6,961	14,872	7,843	16,262	n.a.	n.a.
Berries	(c)	(c)	(c)	(c)	1,105	526	2,752	1,248	n.a.	n.a.
Other fruits	(c)	(c)	(c)	(c)	2,583	4,188	1,843	3,766	n.a.	n.a.
CANNED FISH										
Anchovies	(c)	(c)	(c)	(c)	2,641	19,448	2,602	19,409	3,040	24,369
Herring	(c)	(c)	(c)	(c)	2,662	8,162	1,529	2,828	1,508	2,809
Mackerel	(c)	(c)	(c)	(c)	8,466	8,506	8,591	8,014	8,709	8,039
Salmon	(c)	(c)	(c)	(c)	1,335	9,791	625	4,239	446	2,582
Sardines in oil	(c)	(c)	(c)	(c)	9,875	29,839	8,464	27,303	7,516	28,612
Sardines not in oil	(c)	(c)	(c)	(c)	15,698	25,528	17,364	27,884	14,490	24,882
Tuna, albacore	(c)	(c)	(c)	(c)	25,969	91,405	22,343	73,744	20,548	66,620
Tuna, other	(c)	(c)	(c)	(c)	131,979	284,503	106,747	220,107	139,002	292,269
Other fishes	(c)	(c)	(c)	(c)	1,820	7,394	1,452	5,508	1,248	5,231
CANNED SHELLFISH										
Abalone	(c)	(c)	(c)	(c)	1,307	27,397	1,335	36,079	1,499	42,734
Clams	(c)	(c)	(c)	(c)	5,265	10,713	5,735	10,737	4,265	9,149
Crab, king	(c)	(c)	(c)	(c)	353	1,659	386	1,928	335	1,339
Crab, other	(c)	(c)	(c)	(c)	3,404	19,990	3,498	21,871	4,829	32,896
Lobster	(c)	(c)	(c)	(c)	142	1,412	75	933	608	11,993
Oysters	(c)	(c)	(c)	(c)	9,256	36,893	6,314	26,969	5,639	32,075
Scallops	(c)	(c)	(c)	(c)	62	906	82	1,108	n.a.	n.a.
Shrimp	(c)	(c)	(c)	(c)	5,133	20,399	4,416	19,510	4,246	20,665

See footnotes at end of Imports.

U.S. IMPORTS OF CANNED & FROZEN FOODS—Continued

	†1987		†1988		1989		1990		1991	
	Metric Tons	Value $1,000	Metric Tons	Value $1,000	Metric Tons	Value $1,000	Metric Tons	Value $1,000	Metric Tons	Value $1,000
FRESH & FROZEN FISH										
Freshwater fish...	(c)	(c)	(c)	(c)	15,039	41,333	16,489	42,793	17,284	43,418
Flatfish	(c)	(c)	(c)	(c)	15,322	46,386	12,687	40,981	13,264	45,911
Groundfish	(c)	(c)	(c)	(c)	38,955	45,091	35,505	40,629	34,790	44,286
Salmon...........	(c)	(c)	(c)	(c)	44,814	228,855	47,320	252,880	48,627	242,979
Tuna.............	(c)	(c)	(c)	(c)	294,717	401,740	205,801	339,300	224,778	341,202
Other saltwater...	(c)	(c)	(c)	(c)	85,392	180,010	90,678	196,287	88,145	200,880
Blocks...........	(c)	(c)	(c)	(c)	128,495	325,689	119,962	373,292	131,763	443,922
Fillets & Steaks...	(c)	(c)	(c)	(c)	234,791	927,300	207,935	809,931	199,591	858,904
Sticks & similar...	(c)	(c)	(c)	(c)	3,586	12,800	3,613	12,608	3,154	11,997
FRESH & FROZEN SHELLFISH										
Crabs	(c)	(c)	(c)	(c)	2,176	11,106	2,817	13,376	2,863	17,294
Crabmeat.........	(c)	(c)	(c)	(c)	4,680	41,389	4,909	46,978	4,193	41,724
Lobster	(c)	(c)	(c)	(c)	22,261	247,117	20,688	173,593	19,740	179,836
Rock lobster	(c)	(c)	(c)	(c)	10,452	206,228	13,344	271,920	12,316	273,515
Scallops	(c)	(c)	(c)	(c)	18,540	139,008	18,071	130,453	13,394	110,633
Shrimp										
Shell-on	(c)	(c)	(c)	(c)	168,945	1,363,564	148,381	1,154,040	142,201	1,139,268
Peeled	(c)	(c)	(c)	(c)	54,066	321,224	74,613	559,754	98,310	666,734
Shellfish nes......	(c)	(c)	(c)	(c)	16,140	79,378	15,294	78,005	16,169	88,262
Misc. seafoods										
Squid	(c)	(c)	(c)	(c)	15,582	33,049	12,870	31,172	16,989	36,966
Octopus	(c)	(c)	(c)	(c)	7,874	23,148	7,775	20,345	7,219	21,304
Other	(c)	(c)	(c)	(c)	3,056	20,383	829	7,520	2,316	19,695

† See Editor's Note in box at beginning of this Section (IX). (a) Includes saline, canned and otherwise prepared or preserved. (b) Included in Other. (c) Comparable data not available at press time. nes - not elsewhere specified.

U.S. IMPORTS—COUNTRY OF ORIGIN—FROZEN

SOURCE: U.S. Department of Commerce, Bureau of the Census

	Calendar Year									
Country of Origin	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
FROZEN VEGETABLES—*1,000 Pounds*										
PEAS										
Canada	n.a.	6,349	8,497	10,677	8,796	6,706	11,424	10,145	18,276	19,171
China, Taiwan	n.a.	4,072	3,607	2,895	4,469	9,211	10,057	5,100	4,838	1,223
Other	n.a.	5,924	3,347	8,691	3,109	1,629	1,903	22,539	32,994	17,211
Total	n.a.	16,345	15,450	22,262	16,374	17,547	23,384	37,783	[1]57,639	[1]38,592
BROCCOLI										
Mexico	n.a.	27,121	27,747	55,318	63,376	100,621	164,416	153,080	229,564	223,960
Guatemala	n.a.	4,674	5,564	10,024	12,666	18,290	27,844	22,148	14,286	17,663
El Salvador	n.a.	.....	.....	.....	181	1,526	1,290	2,330	649	706
Other	n.a.	75	240	62	926	752	1,270	597	490	222
Total	27,822	31,870	33,552	65,404	77,148	*117,150	194,820	178,156	244,990	242,552
CAULIFLOWER										
Mexico	n.a.	13,327	17,571	27,560	32,869	38,596	55,878	47,937	56,190	57,992
Guatemala	n.a.	7,083	3,239	3,111	2,835	2,167	1,614	1,532	2,285	3,265
Other	n.a.	161	276	165	1,120	1,338	1,021	794	1,535	915
Total	n.a.	20,571	21,085	30,836	36,824	*37,843	58,513	50,263	60,009	62,172
OKRA										
Mexico	n.a.	3,069	955	1,887	165	82	168	628	281	n.a.
Dominican Republic	n.a.	10,472	10,391	8,417	9,491	5,293	3,373	3,768	526	n.a.
El Salvador	n.a.	3,682	3,477	4,561	6,065	5,496	7,919	1,433	3,361	4,026
Guatemala	n.a.	6,437	7,037	3,369	3,702	3,948	6,872	5,280	4,907	6,047
Other	n.a.	516	450	2	.....	51	.....	37	19	44
Total	n.a.	24,176	22,309	18,237	19,423	*14,760	18,331	11,147	9,094	10,117
FROZEN ORANGE CONCENTRATE—*1,000 gallons at 42° brix*										
Belize	n.a.	506	.....	520	926	1,646	1,661	1,357	1,470	1,734
Brazil	n.a.	92,587	82,510	130,580	137,639	131,646	115,220	88,255	83,131	97,786
Canada	n.a.	135	87	29	490	908	295	82	92	49
Mexico	n.a.	4,321	6,391	4,314	2,244	7,949	9,709	12,077	9,426	12,325
Other	n.a.	506	278	1,137	985	931	750	567	1,227	2,665
Total	n.a.	98,054	89,265	136,581	142,285	143,081	127,634	102,338	[2]95,346	[2]114,559

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*Totals revised. Data by country may not add to totals since revised country data not available. [1] Does not add because small quantity of imports not available by country. [2] Data includes 26,720,558 gal. not frozen in 1989 and 1,697,9[illegible]9 gal. not frozen in 1990.

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U.S. IMPORTS—COUNTRY OF ORIGIN—CANNED

SOURCE: U.S. Department of Commerce, Bureau of the Census

Country of Origin	Calendar Year								
	1982	1983	1984	1985	1986	1987	1988	1989	1990
PEACHES—*1,000 cases basis 24 No. 2½ cans, 45 lb. per case*									
Australia	....	....	....	40	....	145	45	....	n.a.
Chile	....	....	132	244	154	209	450	563	294
Greece	....	2	190	275	459	443	1,139	1,186	670
Spain	....	158	433	523	55	99	254	142	53
South Africa	....	11	593	301	143	....	....	....	n.a.
Other	17	7	[2]262	[2]158	102	61	138	295	209
TOTAL	17	178	1,609	1,541	913	957	2,026	2,186	1,226
PINEAPPLE—*1,000 cases basis 24 No. 2½ cans*									
China, Taiwan	150	57	80	199	197	280	133	29	18
Ivory Coast	27	3	0	6	....	....	....	....	n.a.
Malaysia	214	212	168	209	253	263	242	360	251
Mexico	171	142	146	203	310	341	175	51	34
Philippines	4,579	4,550	4,561	6,041	5,309	4,944	4,579	5,683	4,521
Singapore	235	188	204	180	254	255	186	269	175
South Africa	574	798	548	638	391	1	....	....	n.a.
Thailand	3,511	3,061	3,428	3,938	5,292	5,052	6,319	6,674	6,272
Other	46	77	155	289	410	616	539	1,365	2,152
TOTAL	9,507	8,998	9,291	11,703	12,416	11,751	12,172	14,430	13,423
MUSHROOMS—*1,000 cases basis 24 lb., drained weight per case*									
China, Mainland	1,526	1,528	1,886	1,916	2,023	2,612	2,198	2,399	531
China, Taiwan	1,593	1,772	2,579	2,036	2,183	2,407	1,065	684	831
Hong Kong	678	711	930	1,293	1,731	900	691	708	911
Indonesia	n.a.	....	....	37	89	130	366	294	647
Korea, Republic of	216	333	485	419	322	187	148	74	179
Spain	1	96	640	440	184	202	232	302	324
Other	175	227	484	266	261	131	123	371	423
TOTAL	4,190	4,668	7,004	6,407	6,792	6,569	4,822	4,832	3,845
TOMATOES—*1,000 cases basis 24/303*									
Greece	....	....	2	n.a.	n.a.	3	21	....	n.a.
Israel	1,030	2,032	1,455	1,414	1,103	776	395	829	1,362
Italy	3,217	2,536	3,809	4,039	4,530	3,964	4,298	833	1,475
Mexico	4	4	....	11	....	1	3	....	n.a.
Spain	2,386	2,534	3,067	2,933	2,037	2,156	1,781	541	354
Taiwan	n.a.	271	1,274	567	481	334	348	909	329
Other	253	403	126	204	179	208	[1]467	1,534	2,201
TOTAL	6,959	7,780	9,732	9,168	8,330	7,441	7,314	4,646	5,721
TOMATO CONCENTRATES—*1,000 cases basis 24/303 cans, 24 lb. per case*									
Brazil	n.a.	182	132	118	67	79	1,068	726	24
Chile	126	139	103	125	124	249	284	1,773	1,812
China, Taiwan	2,126	953	501	125	95	81	....	515	n.a.
Israel	1,044	1,382	1,286	1,636	1,692	648	259	842	333
Italy	990	1,113	627	945	855	679	331	95	48
Mexico	1,504	1,329	1,830	634	1,239	1,403	1,764	1,737	2,280
Portugal	1,133	1,314	1,910	1,302	1,591	703	441	576	105
Spain	394	572	615	788	[illegible]	425	90	244	110
Turkey	260	287	143	137	361	368	174	354	183
Other	1,584	411	312	229	314	302	[4]523	2,652	810
TOTAL	9,161	7,682	7,460	6,041	6,911	4,936	4,934	[3]9,516	[3]5,705

n.a. - Not available. [1] Includes 307,173 cases from Chile. [2] Includes 192,000 cases and 65,000 cases from Argentina in 1984 and 1985 respectively. [3] Data is for tomato paste only in 1989 & 1990. [4] Includes 360,451 cases from Hungary.

*CANNED FRUIT PRODUCTION, IMPORTS & STOCKS—SELECTED COUNTRIES

Metric Tons, Net Weight[1]

Source: Foreign Agricultural Service, U.S.D.A.

Marketing Year[2]	1986/87	1987/88	1988/89	1989/90	1990/91	1991/92
APRICOTS, CANNED						
AUSTRALIA						
Beginning Stocks	1,836	675	1,555	3,705	4,007	5,167
Production	5,200	7,300	n.a.	8,400	8,700	9,000
Imports	0	451	n.a.	788	905	910
Total Supply	7,036	8,426	n.a.	12,893	13,612	15,077
Exports	461	871	n.a.	2,686	2,645	2,600
Domestic Consumption	5,900	6,000	n.a.	6,200	5,800	6,000
Ending Stock	675	1,555	3,705	4,007	5,167	6,477
GREECE						
Beginning Stocks	28,647	20,309	12,651	5,123	308	204
Production	50,575	61,534	38,549	37,800	40,365	36,730
Imports	0	18	29	25	109	100
Total Supply	79,222	81,861	51,229	42,948	40,782	37,034
Exports	53,913	66,710	45,106	41,640	39,378	35,500
Domestic Consumption	5,000	2,500	1,000	1,000	1,200	1,000
Ending Stocks	20,309	12,651	5,123	308	204	534
SOUTH AFRICA						
Beginning Stocks	1,145	1,547	3,217	2,986	2,675	2,711
Production	10,212	12,242	12,287	17,835	16,509	18,500
Imports	0	0	0	0	0	0
Total Supply	11,357	13,789	15,504	20,821	19,184	21,211
Exports	9,217	9,935	11,818	17,396	15,743	17,986
Domestic Consumption	593	637	700	750	730	725
Ending Stocks	1,547	3,217	2,986	2,675	2,711	2,500
SPAIN						
Beginning Stocks	13,685	19,500	29,600	18,454	13,076	11,455
Production	28,200	28,000	11,200	15,000	12,000	30,000
Imports	8	55	126	107	75	200
Total Supply	41,893	47,555	40,926	33,561	25,151	41,655
Exports	17,837	12,871	16,972	14,985	8,196	33,000
Domestic Consumption	4,556	5,084	5,500	5,500	5,500	5,500
Ending Stocks	19,500	29,600	18,454	13,076	11,455	3,155
UNITED STATES						
Beginning Stocks	7,429	776	2,605	5,505	n.a.	n.a.
Production	10,308	26,148	27,249	29,301	n.a.	n.a.
Imports	4,503	3,530	3,446	971	n.a.	n.a.
Total Supply	22,240	30,454	33,299	35,777	n.a.	n.a.
Exports	277	749	1,021	1,232	n.a.	n.a.
Domestic Consumption	21,187	27,100	26,773	31,945	n.a.	n.a.
Ending Stocks	776	2,605	5,505	2,600	n.a.	n.a.
CHERRIES, CANNED						
FRANCE						
Beginning Stocks	n.a.	900	2,400	1,300	2,500	4,000
Production	n.a.	15,300	8,800	11,000	10,600	5,800
Imports	n.a.	1,400	1,200	2,000	1,900	2,300
Total Supply	n.a.	17,600	12,400	14,300	15,000	12,100
Exports	n.a.	1,500	1,100	1,300	1,400	1,300
Domestic Consumption	n.a.	13,700	10,000	10,500	9,600	9,800
Ending Stocks	n.a.	2,400	1,300	2,500	4,000	1,000
GERMANY, FED. REP.						
Beginning Stocks	n.a.	0	0	0	n.a.	n.a.
Production	n.a.	46,341	38,365	28,673	n.a.	n.a.
Imports	n.a.	30,620	25,598	28,777	n.a.	n.a.
Total Supply	n.a.	76,961	63,963	57,450	n.a.	n.a.
Exports	n.a.	1,977	2,567	2,340	n.a.	n.a.
Domestic Consumption	n.a.	74,984	61,396	55,110	n.a.	n.a.
Ending Stocks	n.a.	0	0	0	n.a.	n.a.
ITALY						
Beginning Stocks	n.a.	2,420	1,700	0	0	310
Production	n.a.	8,000	6,000	7,200	6,800	5,600
Imports	n.a.	280	430	800	880	1,100
Total Supply	n.a.	10,700	8,130	8,000	7,680	7,010
Exports	n.a.	6,000	5,500	5,600	5,020	4,500
Domestic Consumption	n.a.	3,000	2,630	2,400	2,350	2,310
Ending Stocks	n.a.	1,700	0	0	310	200

See footnotes at end of fruit table.

*CANNED FRUIT PRODUCTION, IMPORTS & STOCKS—SELECTED COUNTRIES—Cont.

Metric Tons, Net Weight[1]

Marketing Year[2]	1986/87	1987/88	1988/89	1989/90	1990/91	1991/92
CHERRIES, CANNED—Continued						
JAPAN						
Beginning Stocks	n.a.	3,000	800	3,000	4,000	2,500
Production	n.a.	9,164	14,799	10,815	8,878	8,300
Imports	n.a.	1,661	3,963	4,229	3,559	4,500
Total Supply	n.a.	13,825	19,562	18,044	16,437	15,300
Exports	n.a.	0	3	15	9	10
Domestic Consumption	n.a.	13,025	16,559	14,029	13,928	14,290
Ending Stocks	n.a.	800	3,000	4,000	2,500	1,000
FRUIT MIXTURES, CANNED						
FRANCE						
Beginning Stocks	17,000	16,700	15,600	9,900	8,600	11,200
Production	22,500	20,800	15,800	23,900	24,900	19,900
Imports	23,100	18,000	21,500	24,300	31,400	27,000
Total Supply	62,600	55,500	52,900	58,100	64,900	58,100
Exports	3,800	3,300	4,000	2,900	5,000	5,300
Domestic Consumption	42,100	36,600	39,000	46,600	48,700	49,500
Ending Stocks	16,700	15,600	9,900	8,600	11,200	3,300
GREECE						
Beginning Stocks	286	1,063	7,698	10,211	503	902
Production	26,520	31,824	34,680	26,750	22,618	20,400
Imports	0	12	4	48	29	50
Total Supply	26,806	32,899	42,382	37,009	23,150	21,352
Exports	24,743	23,201	30,671	35,306	20,748	19,500
Domestic Consumption	1,000	2,000	1,500	1,200	1,500	1,200
Ending Stocks	1,063	7,698	10,211	503	902	652
ITALY						
Beginning Stocks	3,000	2,000	16,200	15,100	15,200	3,640
Production	72,000	85,000	80,000	78,000	80,000	75,000
Imports	1,400	1,000	900	1,100	1,060	1,200
Total Supply	76,400	88,000	97,100	94,200	96,260	79,840
Exports	37,500	36,800	52,000	49,000	62,620	50,000
Domestic Consumption	36,900	35,000	30,000	30,000	30,000	29,840
Ending Stocks	2,000	16,200	15,100	15,200	3,640	0
Total EC						
Beginning Stocks	20,286	19,763	39,498	35,211	24,303	15,742
Production	121,020	137,624	130,480	128,650	127,518	115,300
Imports	24,500	19,012	22,404	25,448	32,489	28,250
Total Supply	165,806	176,399	192,382	189,309	184,310	159,292
Exports	66,043	63,301	86,671	87,206	88,368	74,800
Domestic Consumption	80,000	73,600	70,500	77,800	80,200	80,540
Ending Stocks	19,763	39,498	35,211	24,303	15,742	3,952
ARGENTINA						
Beginning Stocks	2,479	2,181	1,452	1,155	585	585
Production	5,000	6,000	6,300	6,800	6,000	7,000
Imports	0	0	0	0	0	0
Total Supply	7,479	8,181	7,752	7,955	6,585	7,585
Exports	298	1,729	1,797	2,620	1,500	2,100
Domestic Consumption	5,000	5,000	4,800	4,750	4,500	4,500
Ending Stocks	2,181	1,452	1,155	585	585	985
AUSTRALIA						
Beginning Stocks	10,911	8,502	8,402	9,310	1,769	234
Production	28,100	29,800	22,000	24,100	30,000	28,500
Imports	0	0	0	0	0	0
Total Supply	39,011	38,302	30,402	33,410	31,769	28,734
Exports	18,809	18,300	12,092	21,141	21,035	18,000
Domestic Consumption	11,700	11,600	9,000	10,500	10,500	10,400
Ending Stocks	8,502	8,402	9,310	1,769	234	334
CHILE						
Beginning Stocks	200	150	100	50	50	50
Production	2,000	1,500	1,500	1,500	3,100	3,200
Imports	0	0	0	0	0	0
Total Supply	2,200	1,650	1,600	1,550	3,150	3,250
Exports	1,500	1,000	1,000	1,200	2,800	2,900
Domestic Consumption	550	550	550	300	300	300
Ending Stocks	150	100	50	50	50	50

See footnotes at end of fruit table.

*CANNED FRUIT PRODUCTION, IMPORTS & STOCKS—SELECTED COUNTRIES—Cont.

Marketing Year[2]	1986/87	1987/88	1988/89	1989/90	1990/91	1991/92
FRUIT MIXTURES—Continued						
JAPAN						
Beginning Stocks	1,000	600	1,000	1,200	1,000	1,500
Production	3,853	3,620	2,966	4,278	4,173	4,000
Imports	5,769	8,167	9,710	6,753	10,197	11,000
Total Supply	10,622	12,387	13,676	12,231	15,370	16,500
Exports	9	0	0	0	0	0
Domestic Consumption	10,013	11,387	12,476	11,231	13,870	14,500
Ending Stocks	600	1,000	1,200	1,000	1,500	2,000
SOUTH AFRICA						
Beginning Stocks	1,009	6,506	8,773	8,059	5,377	6,253
Production	41,510	41,027	38,432	42,312	41,744	42,250
Imports	0	0	0	0	0	0
Total Supply	42,519	47,533	47,205	50,371	47,121	48,503
Exports	32,031	34,183	34,554	40,219	36,108	40,000
Domestic Consumption	3,982	4,577	4,592	4,775	4,760	4,765
Ending Stocks	6,506	8,773	8,059	5,377	6,253	3,738
PEACHES, CANNED						
FRANCE						
Beginning Stocks	5,600	8,400	8,300	4,400	3,800	5,300
Production	34,700	33,400	28,600	35,500	34,300	34,000
Imports	17,900	18,600	18,600	26,300	31,500	24,000
Total Supply	58,200	60,400	55,500	66,200	69,600	63,300
Exports	1,300	3,500	4,100	2,500	2,700	3,200
Domestic Consumption	48,500	48,600	47,000	59,900	61,600	59,100
Ending Stocks	8,400	8,300	4,400	3,800	5,300	1,000
GREECE						
Beginning Stocks	50,741	20,395	9,937	58,000	35,500	23,500
Production	170,000	198,035	254,173	261,479	251,876	320,263
Imports	3	0	342	225	604	200
Total Supply	220,744	218,430	264,452	319,704	287,980	343,963
Exports	178,349	185,468	184,320	265,526	247,767	300,000
Domestic Consumption	22,000	23,025	22,132	18,678	16,713	14,463
Ending Stocks	20,395	9,937	58,000	35,500	23,500	29,500
ITALY						
Beginning Stocks	7,000	12,200	42,900	45,400	46,600	45,700
Production	80,000	105,000	70,000	75,000	80,000	70,000
Imports	4,200	3,700	7,500	6,800	11,300	10,000
Total Supply	91,200	120,900	120,400	127,200	137,900	125,700
Exports	29,000	27,000	24,000	29,600	41,200	45,000
Domestic Consumption	50,000	51,000	51,000	51,000	51,000	51,000
Ending Stocks	12,200	42,900	45,400	46,600	45,700	29,700
SPAIN						
Beginning Stocks	2,700	6,700	10,028	11,499	18,203	6,814
Production	76,000	90,000	93,000	96,000	65,000	92,000
Imports	823	1,085	1,990	1,190	8,912	7,000
Total Supply	79,523	97,785	105,018	108,689	92,115	105,814
Exports	7,823	12,757	18,519	15,486	8,301	10,000
Domestic Consumption	65,000	75,000	75,000	75,000	77,000	80,000
Ending Stocks	6,700	10,028	11,499	18,203	6,814	15,814
Total EC						
Beginning Stocks	66,041	47,695	71,165	119,299	104,103	81,314
Production	360,700	426,435	445,773	467,979	431,176	516,263
Imports	22,926	23,385	28,432	34,515	52,316	41,200
Total Supply	449,667	497,515	545,370	621,793	587,595	638,777
Exports	216,472	228,725	230,939	313,112	299,968	358,200
Domestic Consumption	185,500	197,625	195,132	204,578	206,313	204,563
Ending Stocks	47,695	71,165	119,299	104,103	81,314	76,014
ARGENTINA						
Beginning Stocks	4,897	3,334	6,241	2,741	1,149	149
Production	36,000	43,000	41,000	50,000	31,000	49,000
Imports	0	0	0	0	4,000	0
Total Supply	40,897	46,334	47,241	52,741	36,149	49,149
Exports	563	3,093	9,790	17,592	2,500	13,000
Domestic Consumption	37,000	37,000	34,710	34,000	33,500	34,000
Ending Stocks	3,334	6,241	2,741	1,149	149	2,149

See footnotes at end of fruit table.

*CANNED FRUIT PRODUCTION, IMPORTS & STOCKS—SELECTED COUNTRIES—Cont.

Marketing Year[2]	1986/87	1987/88	1988/89	1989/90	1990/91	1991/92
PEACHES, CANNED—Continued						
AUSTRALIA						
Beginning Stocks	12,723	6,813	4,933	533	9,492	8,571
Production	39,900	40,700	n.a.	36,000	30,000	35,150
Imports	1,089	1,720	n.a.	4,075	3,583	3,600
Total Supply	53,712	49,233	n.a.	40,608	43,075	47,321
Exports	26,599	25,500	n.a.	15,116	15,604	15,500
Domestic Consumption	20,300	18,800	n.a.	16,000	18,900	18,000
Ending Stocks	6,813	4,933	533	9,492	8,571	13,821
CHILE						
Beginning Stocks	300	1,083	1,983	500	950	350
Production	22,500	26,500	27,500	26,000	24,000	35,000
Imports	0	0	0	0	0	0
Total Supply	22,800	27,583	29,483	26,500	24,950	35,350
Exports	11,217	16,600	18,943	13,400	17,000	23,000
Domestic Consumption	10,500	9,000	10,040	12,150	7,600	12,000
Ending Stocks	1,083	1,983	500	950	350	350
JAPAN						
Beginning Stocks	5,000	6,000	7,000	8,000	6,000	5,000
Production	28,010	26,080	24,479	23,240	20,927	19,000
Imports	36,750	47,003	47,993	37,631	42,189	47,000
Total Supply	69,760	79,083	79,472	68,871	69,116	71,000
Exports	28	26	22	20	10	10
Domestic Consumption	63,732	72,057	71,450	62,851	64,106	64,990
Ending Stocks	6,000	7,000	8,000	6,000	5,000	6,000
SOUTH AFRICA						
Beginning Stocks	8,972	16,320	27,512	33,554	29,722	28,288
Production	70,524	69,134	65,435	62,541	65,642	65,500
Imports	0	0	0	0	0	0
Total Supply	79,496	85,454	92,947	96,095	95,364	93,788
Exports	53,362	47,592	48,025	54,373	55,576	60,000
Domestic Consumption	9,814	10,350	11,368	12,000	11,500	11,600
Ending Stocks	16,320	27,512	33,554	29,722	28,288	22,188
PEARS, CANNED						
FRANCE						
Beginning Stocks	5,000	4,600	4,900	3,700	6,900	7,400
Production	18,900	26,900	19,100	26,200	25,400	17,100
Imports	13,900	9,900	16,000	17,000	20,800	24,000
Total Supply	37,800	41,400	40,000	46,900	52,200	48,500
Exports	400	900	1,100	1,300	1,400	1,000
Domestic Consumption	32,800	35,600	35,200	38,700	43,400	43,500
Ending Stocks	4,600	4,900	3,700	6,900	7,400	4,000
ITALY						
Beginning Stocks	730	0	8,500	9,890	7,360	11,570
Production	43,000	55,000	57,000	45,000	50,000	36,000
Imports	240	500	390	570	2,470	3,000
Total Supply	43,970	55,500	65,890	55,460	59,830	50,570
Exports	27,000	30,000	39,000	32,100	32,760	32,000
Domestic Consumption	16,970	17,000	17,000	16,000	15,500	15,000
Ending Stocks	0	8,500	9,890	7,360	11,570	3,570
SPAIN						
Beginning Stocks	4,000	0	0	0	0	0
Production	5,000	18,000	12,200	16,000	11,800	19,000
Imports	126	590	260	162	309	300
Total Supply	9,126	18,590	12,460	16,162	12,109	19,300
Exports	2,828	5,800	4,186	4,633	5,758	5,500
Domestic Consumption	6,298	12,790	8,274	11,529	6,351	13,800
Ending Stocks	0	0	0	0	0	0
Total EC						
Beginning Stocks	9,730	4,600	13,400	13,590	14,260	18,970
Production	66,900	99,900	88,300	87,200	87,200	72,100
Imports	14,266	10,990	16,650	17,732	23,579	27,300
Total Supply	90,896	115,490	118,350	118,522	124,139	118,370
Exports	30,228	36,700	44,286	38,033	39,918	38,500
Domestic Consumption	56,068	65,390	60,474	66,229	65,251	72,300
Ending Stocks	4,600	13,400	13,590	14,260	18,970	7,570

See footnotes at end of fruit table.

*CANNED FRUIT PRODUCTION, IMPORTS & STOCKS—SELECTED COUNTRIES—Cont.

Marketing Year[2]	1986/87	1987/88	1988/89	1989/90	1990/91	1991/92
PEARS, CANNED—Continued						
AUSTRALIA						
Beginning Stocks	3,634	1,955	10,050	18,450	9,946	8,030
Production	35,600	42,200	n.a.	30,000	35,000	38,000
Imports	98	95	n.a.	813	580	500
Total Supply	39,332	44,250	n.a.	49,263	45,526	46,530
Exports	28,877	25,800	n.a.	32,817	31,496	32,000
Domestic Consumption	8,500	8,400	n.a.	6,500	6,000	6,000
Ending Stocks	1,955	10,050	18,450	9,946	8,030	8,530
JAPAN						
Beginning Stocks	300	600	700	800	600	700
Production	556	450	545	463	556	550
Imports	5,268	6,019	5,880	6,467	6,948	7,000
Total Supply	6,124	7,069	7,125	7,730	8,104	8,250
Exports	0	27	28	18	19	15
Domestic Consumption	5,524	6,342	6,297	7,112	7,385	7,735
Ending Stocks	600	700	800	600	700	500
SOUTH AFRICA						
Beginning Stocks	2,132	4,963	9,938	7,162	7,292	7,508
Production	28,890	30,234	25,819	25,926	25,920	26,600
Imports	0	0	0	0	0	0
Total Supply	31,022	35,197	35,757	33,088	33,212	34,108
Exports	23,527	22,669	25,860	22,946	22,879	24,000
Domestic Consumption	2,532	2,590	2,735	2,850	2,825	2,830
Ending Stocks	4,963	9,938	7,162	7,292	7,508	7,278
UNITED STATES						
Beginning Stocks	61,603	34,006	40,435	n.a.	n.a.	n.a.
Production	147,149	186,258	185,748	n.a.	n.a.	n.a.
Imports	2,224	564	910	n.a.	n.a.	n.a.
Total Supply	210,976	220,828	227,093	n.a.	n.a.	n.a.
Exports	1,287	1,111	1,000	n.a.	n.a.	n.a.
Domestic Consumption	175,683	179,282	186,093	n.a.	n.a.	n.a.
Ending Stocks	34,006	40,435	40,000	n.a.	n.a.	n.a.

Marketing Year[2]	1988	1989	1990	1991	1992
†PINEAPPLE, CANNED					
AUSTRALIA					
Beginning Stocks	7,700	12,700	10,961	6,208	5,590
Production	40,200	32,825	27,393	31,495	34,720
Imports	13,797	16,915	15,956	16,589	16,000
Total Supply	61,697	62,440	54,310	54,292	56,310
Exports	3,620	3,734	3,269	4,627	4,700
Domestic Consumption	45,377	47,745	44,833	44,075	44,500
Ending Stocks	12,700	10,961	6,208	5,590	7,110
COTE D'IVOIRE					
Beginning Stocks	7,766	2,372	0	0	0
Production	1,406	250	260	310	350
Imports	0	0	0	0	0
Total Supply	9,172	2,622	260	310	350
Exports	300	220	207	250	280
Domestic Consumption	6,500	2,402	53	60	70
Ending Stocks	2,372	0	0	0	0
KENYA					
Beginning Stocks	6,420	5,819	11,631	4,905	5,194
Production	39,850	n.a.	53,275	59,915	66,000
Imports	0	n.a.	0	0	0
Total Supply	46,270	n.a.	64,906	64,820	71,194
Exports	39,221	n.a.	59,430	59,174	65,000
Domestic Consumption	1,230	n.a.	571	452	500
Ending Stocks	5,819	11,631	4,905	5,194	5,694
MALAYSIA					
Beginning Stocks	2,028	3,798	8,094	2,404	2,764
Production	41,877	49,402	46,180	52,100	55,000
Imports	0	0	0	0	0
Total Supply	43,905	53,200	54,274	54,504	57,764
Exports	37,707	42,606	49,300	49,090	52,000
Domestic Consumption	2,400	2,500	2,570	2,650	2,730
Ending Stocks	3,798	8,094	2,404	2,764	3,034

See footnotes at end of fruit table.

*CANNED FRUIT PRODUCTION, IMPORTS & STOCKS—SELECTED COUNTRIES—Cont.

PINEAPPLE, CANNED—Continued

Marketing Year[2]	1988	1989	1990	1991	1992
MEXICO					
Beginning Stocks	150	638	1,290	100	0
Production	16,500	19,414	7,500	7,800	9,100
Imports	0	0	300	300	300
Total Supply	16,650	20,052	9,090	8,200	9,400
Exports	3,187	5,100	4,400	4,000	3,000
Domestic Consumption	12,825	13,662	4,590	4,200	6,300
Ending Stocks	638	1,290	100	0	100
PHILIPPINES					
Beginning Stocks	0	0	0	0	0
Production	211,185	209,840	197,123	212,080	211,483
Imports	0	0	0	0	0
Total Supply	211,185	209,840	197,123	212,080	211,483
Exports	182,840	193,493	179,131	194,206	194,000
Domestic Consumption	28,345	16,347	17,992	17,874	17,483
Ending Stocks	0	0	0	0	0
SOUTH AFRICA					
Beginning Stocks	10,309	20,546	21,530	15,966	15,310
Production	65,088	57,372	32,621	23,917	30,585
Imports	0	0	0	0	0
Total Supply	75,397	77,918	54,151	39,883	45,895
Exports	49,209	51,390	32,435	19,073	30,000
Domestic Consumption	5,642	4,998	5,750	5,500	5,250
Ending Stocks	20,546	21,530	15,966	15,310	10,645
TAIWAN					
Beginning Stocks	5,391	2,178	1,831	0	468
Production	8,934	7,522	2,493	2,200	1,800
Imports	430	3,078	5,777	7,090	10,000
Total Supply	14,755	12,778	10,101	9,290	12,268
Exports	2,974	1,878	181	19	0
Domestic Consumption	9,603	9,069	9,920	8,803	12,268
Ending Stocks	2,178	1,831	0	468	0
THAILAND					
Beginning Stocks	35,319	30,449	47,481	8,850	18,850
Production	341,000	368,000	365,800	420,500	495,000
Imports	0	0	0	0	0
Total Supply	376,319	398,449	413,281	429,350	513,850
Exports	341,870	345,968	399,181	405,000	450,000
Domestic Consumption	4,000	5,000	5,250	5,500	6,000
Ending Stocks	30,449	47,481	8,850	18,850	57,850
UNITED STATES[3]					
Beginning Stocks	n.a.	n.a.	n.a.	n.a.	n.a.
Production	143,155	118,388	118,116	117,028	102,058
Imports	248,446	294,551	273,981	287,053	290,000
Total Supply	391,601	412,939	392,097	404,081	392,058
Exports	12,495	9,026	7,024	8,409	8,000
Domestic Consumption	n.a.	n.a.	n.a.	n.a.	n.a.
Ending Stocks	n.a.	n.a.	n.a.	n.a.	n.a.

[1] One metric ton is equivalent to 48.99 standard cases of 24 #2½ cans (45 lbs. net), or 71.1 cases of 24 #2 cans (31 lbs. net). [2] The 1991/92 Marketing Year includes 1991 packs in the Northern Hemisphere and early 1992 packs in the Southern Hemisphere. [3] Industry data unavailable for production, however USDA estimates are based on the assumption of a 30 percent cannery yield. † Pineapple imports and exports for 1992 are USDA estimates. n.a. - Not available. *All data are preliminary and subject to revision.

VEGETABLE PRODUCTION, IMPORTS & STOCKS—SELECTED COUNTRIES

Metric Tons Net Weight

Source: U.S.D.A., Foreign Agricultural Service

Marketing Year[2]	1987/88	1988/89	1989/90	1990/91	1991/92	1992/93
		***TOMATO PASTE**—*28-30 Percent TSS Basis*				
FRANCE						
Beginning Stocks	14,124	5,047	4,425	6,492	8,918	11,510
Production	31,071	39,123	46,701	47,867	44,352	43,900
Imports	39,150	41,640	42,033	38,786	43,440	41,000
Total Supply	84,345	85,810	93,159	93,145	96,710	96,410
Exports	4,635	4,691	4,412	4,210	3,200	4,000
Domestic Consumption	74,663	76,694	82,255	80,017	82,000	83,000
Ending Stocks	5,047	4,425	6,492	8,918	11,510	9,410
GREECE						
Beginning Stocks	90,300	26,747	20,344	6,316	30,364	72,870
Production	146,078	167,542	221,929	184,500	192,506	185,000
Imports	369	6,495	13,123	16,010	5,000	2,500
Total Supply	236,747	200,784	255,396	206,826	227,870	260,370
Exports	190,000	160,440	232,080	160,462	140,000	170,000
Domestic Consumption	20,000	20,000	17,000	16,000	15,000	15,000
Ending Stocks	26,747	20,344	6,316	30,364	72,870	75,370
ITALY						
Beginning Stocks	76,000	10,000	20,000	80,000	93,000	105,000
Production	220,000	285,000	333,000	338,000	324,000	300,000
Imports	24,000	68,000	25,650	24,000	30,000	25,000
Total Supply	320,000	363,000	378,650	442,000	447,000	430,000
Exports	230,000	260,000	218,450	271,000	265,000	250,000
Domestic Consumption	80,000	83,000	80,200	78,000	77,000	77,000
Ending Stocks	10,000	20,000	80,000	93,000	105,000	103,000
PORTUGAL						
Beginning Stocks	31,231	1,931	0	4,536	54,540	40,000
Production	77,800	83,472	110,625	133,809	113,770	82,000
Imports	0	101	0	0	0	0
Total Supply	109,031	85,504	110,625	138,345	168,310	122,000
Exports	95,100	73,504	93,089	69,805	113,310	87,000
Domestic Consumption	12,000	12,000	13,000	14,000	15,000	15,000
Ending Stocks	1,931	0	4,536	54,540	40,000	20,000
SPAIN						
Beginning Stocks	3,300	0	0	0	30,800	40,300
Production	57,000	83,000	85,000	126,000	106,600	86,400
Imports	6,200	2,000	4,000	600	900	1,000
Total Supply	66,500	85,000	89,000	126,600	138,300	127,700
Exports	35,500	46,000	47,000	50,800	48,000	48,000
Domestic Consumption	31,000	39,000	42,000	45,000	50,000	50,000
Ending Stocks	0	0	0	30,800	40,300	29,700
Total EC						
Beginning Stocks	214,955	43,725	44,769	97,344	217,622	269,680
Production	531,949	658,137	797,255	830,176	781,228	697,300
Imports	69,719	118,236	84,806	79,396	79,340	69,500
Total Supply	816,623	820,098	926,830	1,006,916	1,078,190	1,036,480
Exports	555,235	544,635	595,031	556,277	569,510	559,000
Domestic Consumption	217,663	230,694	234,455	233,017	239,000	240,000
Ending Stocks	43,725	44,769	97,344	217,622	269,680	237,480
ISRAEL						
Beginning Stocks	7,400	7,000	5,000	5,000	6,000	2,000
Production	14,600	11,500	24,400	34,000	11,000	10,600
Imports	0	0	0	0	0	0
Total Supply	22,000	18,500	29,400	39,000	17,000	12,600
Exports	8,700	7,200	15,400	24,161	8,000	5,600
Domestic Consumption	6,300	6,300	9,000	8,839	7,000	7,000
Ending Stocks	7,000	5,000	5,000	6,000	2,000	0
MEXICO						
Beginning Stocks	1,966	0	0	0	n.a.	n.a.
Production	35,033	43,998	53,607	58,000	n.a.	n.a.
Imports	46	50	0	0	n.a.	n.a.
Total Supply	37,045	44,048	53,607	58,000	n.a.	n.a.
Exports	27,554	38,966	48,167	52,000	n.a.	n.a.
Domestic Consumption	9,491	5,082	5,440	6,000	n.a.	n.a.
Ending Stocks	0	0	0	0	n.a.	n.a.
TAIWAN						
Beginning Stocks	6,345	7,770	7,666	6,078	5,488	n.a.
Production	26,448	25,160	15,000	16,000	n.a.	n.a.
Imports	0	18	12	10	n.a.	n.a.
Total Supply	32,793	32,948	22,678	22,088	n.a.	n.a.
Exports	24,403	24,632	16,000	16,000	n.a.	n.a.
Domestic Consumption	620	650	600	600	n.a.	n.a.
Ending Stocks	7,770	7,666	6,078	5,488	n.a.	n.a.

VEGETABLE PRODUCTS, IMPORTS, STOCKS—SELECTED COUNTRIES—Continued

Marketing Year[2]	1987/88	1988/89	1989/90	1990/91	1991/92	1992/93
***TOMATO PASTE**—*28-30 Percent TSS Basis—Continued*						
TURKEY						
Beginning Stocks	10,000	10,000	40,000	115,000	165,000	125,000
Production	n.a.	200,000	290,000	240,000	200,000	230,000
Imports	n.a.	1,399	7	0	0	0
Total Supply	n.a.	211,399	330,007	355,000	365,000	355,000
Exports	n.a.	115,643	154,120	124,488	170,223	180,000
Domestic Consumption	n.a.	55,756	60,887	65,512	69,777	75,000
Ending Stocks	10,000	40,000	115,000	165,000	125,000	100,000
***CANNED TOMATOES**						
FRANCE						
Beginning Stocks	5,759	6,960	3,721	8,194	11,257	11,176
Production	42,024	41,415	45,499	39,962	43,217	43,000
Imports	43,886	54,549	80,618	73,820	84,893	85,000
Total Supply	91,669	102,924	129,838	121,976	139,367	139,176
Exports	1,538	3,420	1,905	1,958	3,191	3,500
Domestic Consumption	83,171	95,783	119,739	108,761	125,000	126,000
Ending Stocks	6,960	3,721	8,194	11,257	11,176	9,676
GREECE						
Beginning Stocks	3,875	3,219	4,930	8,769	4,247	2,470
Production	7,467	11,154	17,845	7,687	7,723	8,200
Imports	2,777	3,153	4,520	5,202	4,000	4,000
Total Supply	14,119	17,526	27,295	21,658	15,970	14,670
Exports	1,900	596	526	1,411	1,500	1,300
Domestic Consumption	9,000	12,000	18,000	16,000	12,000	11,500
Ending Stocks	3,219	4,930	8,769	4,247	2,470	1,870
ITALY						
Beginning Stocks	10,000	61,000	0	181,000	261,000	317,000
Production	976,000	906,000	1,070,000	1,312,000	1,286,000	1,250,000
Imports	731	2,838	1,350	200	500	500
Total Supply	986,731	969,838	1,071,350	1,493,200	1,547,500	1,567,500
Exports	505,000	567,170	489,500	402,000	400,000	400,000
Domestic Consumption	420,731	402,668	400,850	830,200	830,500	830,500
Ending Stocks	61,000	0	181,000	261,000	317,000	337,000
SPAIN						
Beginning Stocks	0	0	0	47,000	46,900	48,800
Production	177,000	197,000	242,000	188,000	210,000	191,100
Imports	300	100	300	1,200	200	200
Total Supply	177,300	197,100	242,300	236,200	257,100	240,100
Exports	48,100	65,000	60,300	44,300	48,300	48,300
Domestic Consumption	129,200	132,100	135,000	145,000	160,000	160,000
Ending Stocks	0	0	47,000	46,900	48,800	31,800
Total EC						
Beginning Stocks	19,634	71,179	8,651	244,963	323,404	379,446
Production	1,202,491	1,155,569	1,375,344	1,547,649	1,546,940	1,492,300
Imports	47,694	60,640	86,788	80,422	89,593	89,700
Total Supply	1,269,819	1,287,388	1,470,783	1,873,034	1,959,937	1,961,446
Exports	556,538	636,186	552,231	449,669	452,991	453,100
Domestic Consumption	642,102	642,551	673,589	1,099,961	1,127,500	1,128,000
Ending Stocks	71,179	8,651	244,963	323,404	379,446	380,346
ISRAEL						
Beginning Stocks	5,000	3,000	0	3,000	9,900	3,900
Production	14,700	11,800	29,500	31,700	18,000	18,000
Imports	0	0	0	0	0	0
Total Supply	19,700	14,800	29,500	34,700	27,900	21,900
Exports	8,700	7,800	18,500	16,767	16,000	13,900
Domestic Consumption	8,000	7,000	8,000	8,033	8,000	8,000
Ending Stocks	3,000	0	3,000	9,900	3,900	0
TOTAL TOMATOES						
Beginning Stocks	24,634	74,179	8,651	247,963	333,304	383,346
Production	1,217,191	1,167,369	1,404,844	1,579,349	1,564,940	1,510,300
Imports	47,694	60,640	86,788	80,422	89,593	89,700
Total Supply	1,289,519	1,302,188	1,500,283	1,907,734	1,987,837	1,983,346
Exports	565,238	643,986	570,731	466,436	468,991	467,000
Domestic Consumption	650,102	649,551	681,589	1,107,994	1,135,500	1,136,000
Ending Stocks	74,179	8,651	247,963	333,304	383,346	380,346

*1991/92 data preliminary; 1992/93 are forecasts. Tomatoes include whole peeled, and/or wedges, diced, crushed and other non-concentrated products.

[2] Marketing years are July-June with the exception of France which is August-July.

THE ALMANAC

OF THE CANNING, FREEZING, PRESERVING INDUSTRIES

Section X

APPENDIX

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CAN PRICES

(Per 1000 cans)

Prices, 1931 thru 1947, are for hot dip cans basis 1.50 lbs. tin per base box throughout. Since the advent of electrolytic tin plating during World War II, very few commodities are packed in cans made entirely by the hot dipped process. See description of symbols at end of table. Prices FOB Baltimore at time of shipment, no discounts reflected; thru 1971 during seasonal packs; 1972-75 avg. yearly price; 1976-80 during seasonal packs, 1981 and thereafter effec. April 1. Beginning 1986 prices are estimated.

Year	8Z Tall 211x304	No. 1 Pie 211x400	No. 303 303x406	No. 2 307x409	No. 2½ 401x411	No. 3 cyl. 404x700	No. 10 603x700
1931	.....	$14.40	.....	$19.99	$25.21	*$27.19	$60.33
1932	.....	13.95	.....	19.32	24.36	*26.24	58.46
1933	.....	13.05	.....	17.97	22.66	*24.34	54.71
1934, 1935 and 1936	.....	14.85	.....	20.67	26.06	*28.14	62.21
1937	.....	13.66	.....	19.02	23.06	*25.89	57.23
1938	.....	14.56	.....	20.32	24.71	*27.79	60.93
1939	.....	13.93	.....	19.41	23.56	*25.46	58.34
1940 thru 1946	.....	13.85	.....	19.00	22.60	*26.46	57.20
1947	.....	16.05	.....	21.63	26.19	40.93	65.69
1948 Hot Dipped, 1.50	.....	18.24	.....	24.61	30.05	46.26	74.51
1948 Electrolytic, .50 i.e.	.....	17.80	.....	23.78	29.41	45.83	75.09
1950 Hot Dipped, 1.50	.....	19.89	24.75	26.75	32.88	50.12	81.05
1950 Electrolytic, .50 i.e.	.....	19.27	23.69	25.66	31.91	49.23	80.89
1952 Hot Dipped, 1.50	.....	22.49	27.95	30.62	37.95	57.34	92.68
1952 Electrolytic, .50 i.e.	.....	21.27	26.25	28.64	35.66	54.73	89.56
1957 Hot Dipped, 1.50	24.97	27.50	34.24	37.48	47.73	72.29	117.01
1957 Electrolytic, .50 i.e.	23.93	26.30	32.60	35.68	45.53	69.72	113.93
1957 Electrolytic, .25 i.e.	23.55	25.87	32.02	35.04	44.72	68.60	112.09
1957 Differential	23.59	25.94	32.18	35.18	44.79	68.33	110.97
1961 Hot Dipped, 1.50	24.82	29.20	33.61	38.03	47.98	76.30	124.08
1961 elect. #25 E.I.	23.47	27.64	31.43	35.53	45.07	72.65	119.26
1961 diff. B 50/25; E 25 i.e.	23.84	28.06	32.00	36.18	45.87	73.77	121.11
1961 diff. B 75/25; E 25 i.e.	23.39	27.57	31.42	35.48	44.86	72.03	117.53
1961 diff. B 100/25; E 25 i.e.	23.48	27.68	31.57	35.64	45.05	72.34	117.97
1967 elect. #25 E.I.	26.53	31.28	35.45	40.49	51.16	79.16	131.77
1967 diff. B 50/25; E 25 i.e.	26.09	30.77	34.84	39.80	50.19	77.30	128.28
1967 diff. B 75/25; E 25 i.e.	26.45	31.21	35.44	40.44	50.95	78.54	130.04
1967 diff. B 100/25; E 25 i.e.	26.45	31.32	35.59	40.50	51.14	78.85	130.48
1967 elect. #25 E.I.*	25.98	.....	34.48	.....	.....	.....	.....
1967 diff. B 50/25; E 25 i.e.*	25.54	.....	33.87	.....	.....	.....	.....
1967 diff. B 75/25; E 25 i.e.*	25.90	.....	34.47	.....	.....	.....	.....
1967 diff. B 100/25; E 25 i.e.*	25.99	.....	34.62	.....	.....	.....	.....
1971 elect. #25 E.I.	33.58	39.26	44.80	51.95	66.19	102.70	174.65
1971 diff. B 50/25; E 25 i.e.	33.46	39.14	44.71	51.82	65.88	101.93	172.70
1971 diff. B 75/25; E 25 i.e.	33.73	39.48	45.15	52.20	66.45	102.85	174.02
1971 diff. B 100/25; E 25 i.e.	34.00	39.80	45.61	52.72	67.02	103.79	175.34
1971 elect. #25 E.I.*	33.32	.....	44.36	.....	.....	.....	.....
1971 diff. B 50/25; E 25 i.e.*	33.20	.....	44.27	.....	.....	.....	.....
1971 diff. B 75/25; E 25 i.e.*	33.47	.....	44.71	.....	.....	.....	.....
1971 diff. B 100/25; E 25 i.e.*	33.74	.....	45.17	.....	.....	.....	.....
1973 elect. #25 E.I.	37.09	43.36	49.68	57.73	73.91	114.56	196.66
1973 diff. B 50/25; E 25 i.e.	37.24	43.59	50.07	58.14	74.19	114.73	195.99
1973 diff. B 75/25; E 25 i.e.	37.63	43.95	50.55	58.66	74.80	115.73	197.40
1973 diff. B 100/25; E 25 i.e.	37.92	44.42	51.20	59.35	75.62	117.06	199.30
1973 elect. #25 E.I.*	36.94	.....	49.08	.....	.....	.....	.....
1973 diff. B 50/25; E 25 i.e.*	37.09	.....	49.47	.....	.....	.....	.....
1973 diff. B 75/25; E 25 i.e.*	37.48	.....	49.95	.....	.....	.....	.....
1973 diff. B 100/25; E 25 i.e.*	37.77	.....	50.60	.....	.....	.....	.....
1975 elect. #25 E.I.	55.36	64.62	74.32	87.03	110.83	170.87	294.21
1975 diff. B 50/25; E 25 i.e.	55.33	64.63	74.43	87.10	110.72	170.31	292.33
1975 diff. B 75/25; E 25 i.e.	56.10	65.57	75.71	88.46	112.34	172.95	296.07
1975 diff. B 100/25; E 25 i.e.	56.82	66.45	76.91	89.74	113.86	175.43	299.59
1975 elect. #25 E.I.*	54.61	.....	73.38	.....	.....	.....	.....
1975 diff. B 50/25; E 25 i.e.*	54.58	.....	73.49	.....	.....	.....	.....
1975 diff. B 75/25; E 25 i.e.*	55.35	.....	74.77	.....	.....	.....	.....
1975 diff. B 100/25; E 25 i.e.*	56.07	.....	75.97	.....	.....	.....	.....
1977 elect. #25 E.I.	64.63	75.43	86.80	101.62	129.41	199.46	343.43
1977 diff. B 50/25; E 25 i.e.	64.62	75.47	86.96	101.73	129.32	198.87	341.32
1977 diff. B 75/25; E 25 i.e.	65.29	76.29	88.08	102.93	130.74	201.19	344.62
1977 diff. B 100/25; E 25 i.e.	66.15	77.34	89.51	104.45	132.55	204.14	348.80
1977 elect. #25 E.I.*	63.75	.....	85.71	.....	.....	.....	.....
1977 diff. B 50/25; E 25 i.e.*	63.74	.....	85.87	.....	.....	.....	.....
1977 diff. B 75/25; E 25 i.e.*	64.41	.....	86.99	.....	.....	.....	.....
1977 diff B 100/25; E 25 i.e.*	65.27	.....	88.42	.....	.....	.....	.....
1979 elect. #25 E.I.	84.76	98.60	115.31	135.73	173.33	264.65	460.71
1979 diff. B 50/25; E 25 i.e.	84.92	98.84	115.77	136.15	173.57	264.56	459.20
1979 diff. B 75/25; E 25 i.e.	86.06	100.24	117.67	138.18	175.98	268.50	464.79
1979 diff. B 100/25; E 25 i.e.	87.25	101.69	119.65	140.29	178.49	272.59	470.60
1979 elect #25 E.I.*	82.83	96.72	112.58	.....	.....	.....	.....
1979 diff. B 50/25; E 25 i.e.*	82.99	96.96	113.04	.....	.....	.....	.....
1979 diff. B 75/25; E 25 i.e.*	84.13	98.36	114.94	.....	.....	.....	.....
1979 diff. B 100/25; E 25 i.e.*	85.32	99.81	116.92	.....	.....	.....	.....

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* No. 3.

CAN PRICES—Continued

Year	8Z Tall 211x304	No. 1 Pic 211x400	No. 303 303x406	No. 2 307x409	No. 2½ 401x411	No. 3 cyl. 404x700	No. 10 603x700
1981 elect #25 E.I.	109.63	127.29	150.25	177.06	226.18	345.43	601.92
1981 diff. B 50/25; E 25 i.e.	109.80	127.57	150.82	177.57	226.42	345.16	599.71
1981 diff. B 75/25; E 25 i.e.	110.91	128.94	152.68	179.55	228.77	349.01	605.17
1981 diff. B 100/25; E 25 i.e.	112.82	131.27	155.86	182.94	232.80	355.58	614.50
1981 elect. #25 E.I.*	106.65	124.21	145.86	.....	.....	.....	.....
1981 diff. B 50/25; E 25 i.e.*	106.82	124.49	146.43	.....	.....	.....	.....
1981 diff. B 75/25; E 25 i.e.*	107.93	125.86	148.29	.....	.....	.....	.....
1981 diff. B 100/25; E 25 i.e.*	109.84	128.1)	151.47	.....	..	.....	.....
1983 elect. #25 E.I.	128.62	149.33	176.29	207.73	265.39	405.36	706.57
1983 diff. B 50/25; E 25 i.e.	128.19	148.91	175.93	207.24	264.33	402.82	700.61
1983 diff. B 75/25; E 25 i.e.	129.44	150.42	178.00	209.44	266.96	407.09	706.69
1983 diff. B 100/25; E 25 i.e.	130.88	152.18	180.40	212.00	270.00	412.05	713.73
1983 Elect. #25 E.I.*	125.12	145.71	171.15	.....	.....	.....	.....
1983 diff. B 50/25; E 25 i.e.*	124.69	145.29	170.79	.....	.....	.....	.....
1983 diff. B 75/25; E 25 i.e.*	125.94	146.80	172.86	.....	.....	.....	.....
1983 diff. B 100/25; E 25 i.e.*	127.38	148.56	175.26	.....	.....	.....	.....
1985 elect. #25 E.I.	144.23	167.45	197.68	232.95	297.60	454.55	792.31
1985 diff. B 50/25; E 25 i.e.	143.67	166.87	197.14	232.24	296.24	451.40	785.21
1985 diff. B 75/25; E 25 i.e.	144.96	168.46	199.30	234.54	298.97	455.87	791.55
1985 diff. B 100/25; E 25 i.e.	146.48	170.31	201.82	237.23	302.17	461.08	798.94
1985 elect. #25 E.I.*	140.30	163.39	191.92	.....	.....	.....	.....
1985 diff. B 50/25; E 25 i.e.*	139.74	162.81	191.38	.....	.....	.....	.....
1985 diff. B 75/25; E 25 i.e.*	141.03	164.40	193.54	.....	.....	.....	.....
1985 diff. B 100/25; E 25 i.e.*	142.55	166.25	196.06	.....	.....	.....	.....
1987 elect. #25 E.I.	154.34	179.19	211.54	249.28	318.46	486.41	847.85
1987 diff. B 50/25; E 25 i.e.	153.74	178.57	210.96	248.52	317.01	483.05	840.25
1987 diff. B 75/25; E 25 i.e.	155.12	180.27	213.27	250.98	319.92	487.83	847.04
1987 diff. B 100/25; E 25 i.e.	156.75	182.25	215.97	253.86	323.35	493.40	854.94
1987 elect. #25 E.I.*	150.14	174.94	205.38	.....	.....	.....	.....
1987 diff. B 50/25; E 25 i.e.*	149.53	174.22	204.79	.....	.....	.....	.....
1987 diff. B 75/25; E 25 i.e.*	150.92	175.92	207.11	.....	.....	.....	.....
1987 diff. B 100/25; E 25 i.e.*	152.54	177.91	209.80	.....	.....	.....	.....

Because of technical improvements, tin specifications for cans used for many high volume products have been reduced. Notice that, beginning in 1988, can prices reported here reflect the use of the lighter tin coating weights.

Year	8Z Tall 211x304	No. 1 Pic 211x400	No. 303 303x406	No. 2 307x409	No. 2½ 401x411	No. 3 cyl. 404x700	No. 10 603x700
1988 elect. B 20 i.e.; E TFS	155.88	180.98	213.66	251.77	321.64	491.27	856.33
1988 diff. B 30/20; E TFS	155.28	180.36	213.07	251.01	320.18	487.88	848.65
1988 diff. B 60/20; E TFS	156.67	182.07	215.40	253.49	323.12	492.71	855.51
1988 diff. B 75/20; E TFS	158.32	184.07	218.13	256.40	326.58	498.33	863.49
1988 elect. *B 20 i.e.; E TFS	151.64	176.69	207.43	.....	.....	.....	.....
1988 diff. *B 30/20; E TFS	151.03	175.96	206.84	.....	.....	.....	.....
1988 diff. *B 60/20; E TFS	152.43	177.68	209.18	.....	.....	.....	.....
1988 diff. *B 75/20; E TFS	154.07	179.69	211.90	.....	.....	.....	.....
1989 elect. B 20 i.e.; E TFS	159.00	184.60	217.93	256.81	328.07	501.10	873.46
1989 diff. B 30/20; E TFS	158.39	183.97	217.33	256.03	326.58	497.64	865.62
1989 diff. B 60/20; E TFS	159.80	185.71	219.71	258.56	329.58	502.56	872.62
1989 diff. B 75/20; E TFS	161.49	187.75	222.49	261.53	333.11	508.30	880.76
1989 elect. *B 20 i.e.; E TFS	154.67	180.22	211.58	.....	.....	.....	.....
1989 diff. *B 30/20; E TFS	154.05	179.48	210.98	.....	.....	.....	.....
1989 diff. *B 60/20; E TFS	155.48	181.23	213.36	.....	.....	.....	.....
1989 diff. *B 75/20; E TFS	157.15	183.28	216.14	.....	.....	.....	.....
1990 elect. B 20 i.e.; E TFS	162.18	188.29	222.29	261.94	334.63	511.12	890.93
1990 diff. B 30/20; E TFS	161.55	187.65	221.68	261.15	333.12	507.59	882.94
1990 diff. B 60/20; E TFS	163.00	189.43	224.10	263.73	336.17	512.62	890.07
1990 diff. B 75/20; E TFS	164.72	191.51	226.94	266.76	339.77	518.46	898.37
1990 elect. *B 20 i.e.; E TFS	157.77	183.83	215.81	.....	.....	.....	.....
1990 diff. *B 30/20; E TFS	157.13	183.07	215.20	.....	.....	.....	.....
1990 diff. *B 60/20; E TFS	158.59	184.86	217.63	.....	.....	.....	.....
1990 diff. *B 75/20; E TFS	160.29	186.95	220.46	.....	.....	.....	.....
1991 elect. B 20 i.e.; E TFS	162.18	188.29	222.29	261.94	334.63	511.12	890.93
1991 diff. B 30/20; E TFS	161.55	187.65	221.68	261.15	333.12	507.59	882.94
1991 diff. B 60/20; E TFS	163.00	189.43	224.10	263.73	336.17	512.62	890.07
1991 diff. B 75/20; E TFS	164.72	191.51	226.94	266.76	339.77	518.46	898.37
1991 elect. *B 20 i.e.; E TFS	157.77	183.83	215.81	....	....	....	....
1991 diff. *B 30/20; E TFS	157.13	183.07	215.20	....	....	....	....
1991 diff. *B 60/20; E TFS	158.59	184.86	217.63	....	....	....	....
1991 diff.*B 75/20; E TFS	160.29	186.95	220.46	....	....	....	....

DESCRIPTION - Body & Ends of cans designated "elect. #25 E.I." are manufactured from tin plate plated with .25 lb. of tin per base box of metal and enameled inside. (Whenever .25 lb. is designated inside enamel is added). The nominal tin coating weight for *each surface* (inside/outside) is .125 lb. and may be expressed 0.125/0.125. The inside and outside of differential cans are coated with different amounts of tin. For an explanation of Tin Coating Weights see page preceding "CAN PRICES" in this Almanac. Base box means a unit of area of tin plate covering 31,360 square inches.

E.I. means Body and Ends Enameled inside; B means body; E means ends; i.e. means inside enamel; TFS means Tin Free Steel. TFS is coated inside and outside.

*The asterisk indicates the use of 60# DR (Double Reduced, lighter than conventional) steel in the body.

LABEL MEASUREMENTS - VARIOUS CAN SIZES

Common Name	Can Size Diam x Ht.	Label Size Height x Length	Meet	Lap	40% Max. Display Panel Measure	Sq. In.
2 oz. Mushroom	202x204	1-15/16x7	6-3/8	5/8	1-15/16x2-35/64	4.93
6 oz. Paste	202x306	3-1/16x7	"	"	3-1/16x2-35/64	7.80
6 oz. T Juice	202x314	3-9/16x7	"	"	3-9/16x2-35/64	9.07
¼ Fl. Tuna	211x109	1-1/4x8-3/4	8-1/8	"	1-1/4x3-1/4	4.06
4 oz. Pimiento	211x200	1-11/16x8-3/4	"	"	1-11/16x3-1/4	5.48
4 oz. Mushroom	211x212	2-7/16x8-3/4	"	"	2-7/16x3-1/4	7.92
8 oz. S	211x300	2-11/16x8-3/4	"	"	2-11/16x3-1/4	8.73
8 oz. T	211x304	2-15/16x8-3/4	"	"	2-15/16x3-1/4	9.55
Picnic	211x400	3-11/16x8-3/4	"	"	3-11/16x3-1/4	11.98
211 Cyl.	211x414	4-9/16x8-3/4	"	"	4-9/16x3-1/4	14.83
Pt Olive	211x600	5-11/16x8-3/4	"	"	5-11/16x3-1/4	18.48
4 oz. Pimiento	300x108	1-3/16x9-5/8	9	"	1-3/16x3-39/64	4.29
7 oz. Pimiento	300x206	2-1/16x9-5/8	"	"	2-1/16x3-39/64	7.44
8 oz. Mushroom	300x400	3-11/16x9-5/8	"	"	3-11/16x3-39/64	13.31
#300	300x407	4-1/9x9-5/8	9-⅛	½	4-1/8x3-21/32	15.08
#300 Asparagus	300x409	4-1/4x9-5/8	9	⅝	4-1/4x3-39/64	15.34
300 Cyl.	300x509	5-1/4x9-5/8	"	"	5-1/4x3-39/64	18.95
¼ Fl. Salmon	301x106	1-1/16x9-7/8	9¼	"	1-1/16x3-45/64	3.93
#1 Tall	301x411	4-3/8sc x 9-7/8	"	"	4-3/8x3-45/64	16.20
#303	303x406	4-1/16x10-1/4	9⅝	"	4-1/16x3-55/64	15.68
303 Cyl Soup	303x509	5-1/4x10-1/4	"	"	5-1/4x3-55/64	19.78
½ Fl Tuna	307x113	1-1/2 x 11	10⅜	"	1-1/2x4-5/32	6.23
Kitchenette	307x214	2-9/16x11	"	"	2-9/16x4-5/32	10.65
2-Vac Corn	307x306	3-1/16x11	"	"	3-1/16x4-5/32	12.73
#95 Kraut	307x400	3-11/16x11	"	"	3-11/16x4-5/32	15.33
#2 Common	307x409	4-1/4x11	"	"	4-1/4x4-5/32	17.14
Jumbo	307x510	5-5/16x11	"	"	5-5/16x4-5/32	22.08
Qt. Olive	307x704	6-15/16x11	"	"	6-15/16x4-5/32	28.83
1¼ Veg.	401x206	2-1/16x13	12⅜	"	2-1/16x4-61/64	10.22
1¼ Pineapple	401x207.5	2-1/8fl x 13	"	"	2-1/8 x 4-61/64	10.53
#2½	401x411	4-3/8sc x 13	"	"	4-3/8x4-61/64	21.67
3-Vac Swt Potato	404x307	3-1/8x13-3/4	13⅛	"	3-1/8x5-1/4	17.19
#3 Cyl.	404x700	6-5/8x13-3/4	"	"	6-5/8f x 5-1/4	34.78
#5 Asparagus	603x408	4-1/4x19-3/4	19⅛	"	4-1/4x7-21/32	32.54
#10	603x700	6-5/8x19-3/4	"	"	6-5/8f x 7-21/32	50.72

ELECTROLYTIC TIN PLATE COATING WEIGHT

The following exerpts are reproduced here with the permission of the American Society for Testing Materials, 1916 Race St., Philadelphia, PA 19103 from ASTM Standard Spec. for TIN MILL PRODUCTS, ELECTROLYTIC TIN PLATE, SINGLE REDUCED - A624-86.

5.1.1 Electrolytic tin plate is commonly produced to the class designations shown in Table 1. Other combinations of coatings may be specified by agreement between the producer and the purchaser.

5.1.2 Differentially coated tin plate is a product having one surface more heavily tin coated than the opposite. The class designation is expressed by showing the two tin coating weights separated by a slash mark, for example, 50/25. The first number will represent the coating weight on the outside of the coil or the top surface of the cut sizes.

5.1.3 In order to distinguish material having differential coatings, the face with the heavier coating is normally marked. By arrangement, a special marking can be supplied on the light-coated face (see Figs. 1 and 2). The letter *D* is shown along with the coating number to indicate the side of the plate to be marked.

TABLE 1 ELECTROLYTIC TIN PLATE COATING WEIGHT

NOTE: Listed below are the commonly produced coating weights. Upon agreement between the producer and the purchaser, other combinations of coatings may be specified and the appropriate minimum average test values will apply.

Designation No.	Nominal Tin Coating Weight Each Surface, lb/base box	Minimum Average Coating Weight Each Surface Test Value, lb/base box[A]
10	0.05/0.05	0.04/0.04
20	0.10/0.10	0.08/0.08
25	0.125/0.125	0.11/0.11
35	0.175/0.175	0.16/0.16
50	0.25/0.25	0.23/0.23
75	0.375/0.375	0.35/0.35
100	0.50/0.50	0.45/0.45
D50/25[B]	0.25/0.125	0.23/0.11
D 75/25	0.375/0.125	0.35/0.11
D 100/25	0.50/0.125	0.45/0.11
D 100/50	0.50/0.25	0.45/0.23
D 135/25	0.675/0.125	0.62/0.11

[A] The minimum value shall be not less than 80% of the minimum average tin coating weight (see 5.3 and 5.4).

[B] The letter D on differentially coated tin plate indicates the coated surface to be marked. For example, the examples indicate that the heavy-coated side is marked (see 5.1.2 and 5.1.3).

METAL CAN SHIPMENTS BY PRODUCT

Courtesy of Can Manufacturers Institute
Millions of Cans

	1984	1985	1986	1987	1988	1989	1990	1991
FOOD								
Baby Foods	915	936	956	995	1,043	1,150	1,135	1,101
2-piece	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	305	306
3-piece	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	830	795
Coffee	644	615	553	565	571	598	620	608
2-piece	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	3	6
3-piece	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	617	602
Dairy Products	974	1,246	1,203	1,188	1,268	1,304	1,295	1,365
2-piece	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	132	211
3-piece	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1,163	1,154
Fruit & Fr. Juices	3,389	3,046	2,783	3,009	3,225	3,135	3,568	3,207
2-piece	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	151	98
3-piece	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	3,417	3,109
Meat & Poultry	1,505	1,492	1,447	1,572	1,566	1,522	1,346	1,296
2-piece	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	801	862
3-piece	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	545	434
Seafoods	1,607	1,881	1,914	1,958	1,697	1,934	1,659	1,788
2-piece	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1,342	1,547
3-piece	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	317	241
Vegetables & Veg. Juices	8,702	8,339	8,544	8,556	8,266	9,422	9,804	9,982
2-piece	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1,470	1,288
3-piece	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	8,334	8,754
Other Food, Incl. Soup	6,354	6,220	6,040	5,995	5,945	5,911	5,556	5,616
2-piece	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1,274	1,303
3-piece	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	4,282	4,313
Pet Food	4,020	4,069	4,488	4,543	4,490	5,130	4,717	6,061
2-piece	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	3,061	3,670
3-piece	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1,656	2,391
TOTAL FOOD	28,113	27,844	27,928	28,381	28,071	30,106	29,700	31,024
Steel	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	27,502	28,447
Aluminum	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	2,198	2,577
2-piece	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	8,538	9,231
3-piece	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	21,162	21,793
BEVERAGE								
Beer	34,354	35,614	36,058	36,480	36,250	37,276	39,151	38,830
Steel	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	402	402
Aluminum	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	38,749	38,428
Soft Drink	31,290	34,563	36,844	40,293	44,930	48,619	53,325	55,812
Steel	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	4,089	2,857
Aluminum	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	49,236	52,955
TOTAL BEVERAGE	65,644	70,177	72,902	76,773	81,180	85,895	92,476	94,642
Steel	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	4,491	3,259
Aluminum	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	87,985	91,383
GENERAL PACKAGING[1]	4,024	3,878	4,083	4,060	4,096	3,994	4,018	3,909
TOTAL ALL	97,781	101,899	104,913	109,214	113,347	119,995	126,194	129,575
Steel	34,654	34,559	34,302	33,342	33,190	34,527	35,998	35,603
Aluminum	63,127	67,340	70,611	75,872	80,157	85,468	90,196	93,972
2-piece	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	101,096	103,944
3-piece	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	25,098	25,631

[1] Primarily 3-piece steel cans used for aerosol, paint & varnish, automotive products, and other nonfoods.
n.a. - Not available.

GLASS CONTAINER SHIPMENTS BY TYPE OF CONTAINER*

Source: Bureau of Census, U.S. Department of Commerce
(Thousands of gross)

Type of Container	1983	1984	1985	1986	1987	1988	1989	1990	1991
All Types Total	293,103	289,950	272,821	283,057	281,636	280,439	285,586	284,986	277,657
Direct exports	1,416	1,678	941	815	642	850	471	n.a.	n.a.
Domestic	291,687	288,272	271,880	282,242	280,994	279,589	285,115	n.a.	n.a.
Narrow Neck, Tot.	228,762	221,055	208,561	220,262	218,963	212,595	215,582	213,019	202,974
Food	28,270	26,170	23,770	25,266	27,252	22,100	22,010	23,546	23,477
Medicinal/health	9,665	10,140	8,710	[4]12,027	[4]8,549	[4]9,383	[4]9,577	[4]9,180	[4]8,872
Chem./Household/Indus.	976	1,379	942	[4]1,490	[4]1,371	[4]1,357	[4]1,318	[4]1,174	[4]1,198
Toiletries/cosm.	6,506	6,566	5,302	[4]6,816	[4]5,618	[4]4,597	[4]4,249	[4]4,010	[4]3,944
Bev., returnable	3,383	2,100	1,553	841	(5)	(5)	(5)	(5)	(5)
Bev., nonreturn.	59,234	59,475	58,532	59,044	62,434	62,382	63,813	60,261	57,141
Beer, returnable	2,475	3,473	1,870	2,902	2,354	2,410	2,589	1,955	(5)
Beer, nonreturn	94,625	87,323	81,907	84,020	83,003	83,875	85,967	86,596	84,304
Liquor	14,712	14,015	11,939	10,965	11,849	10,362	11,268	11,185	10,565
Wine	8,916	10,414	14,036	16,891	16,533	16,129	14,791	15,112	13,473
Wide Mouth, Total	64,341	68,895	64,260	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Food[2]	60,108	64,302	59,935	62,795	62,673	67,844	70,004	71,967	74,683
Medicinal/health	2,995	3,150	2,715	(4)	(4)	(4)	(4)	(4)	(4)
Chem./Household/Indus.	812	988	1,015	(4)	(4)	(4)	(4)	(4)	(4)
Toiletries/cosm.	426	455	595	(4)	(4)	(4)	(4)	(4)	(4)
Dairy products	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)

(2)Data for dairy products is combined with Food. (4)Data for wide mouth included with narrow neck.
(5)Included with nonreturn. n.a. - Not available.

GOVERNMENT PURCHASES—SPECIFIED CANNED FOODS
MILITARY

Source: Fr. & Veg. Br., Contr. & Prod. Div., Dir. of Subsistence, Defense Personnel Support Center

PACK YEAR	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
CANNED VEGETABLES—Thousands of Cases, Equiv. 24/303										
Asparagus	37.8	23.3	43.2	21.4	18.3	11.1	27.9	n.a.	.....	9.9
Beans, Gr. & Wax	357.7	421.7	263.9	399.3	233.1	305.5	154.2	n.a.	175.5	136.2
Beans, Lima	72.7	81.7	55.1	73.1	32.5	37.0	73.5	n.a.	60.7	71.1
Bean Sprouts	51.3	24.2	65.4	62.7	20.2	51.7	70.2	n.a.	34.8	.....
Beets	108.9	152.1	138.0	78.6	72.9	80.0	115.9	n.a.	68.9	44.2
Carrots	118.2	132.9	114.8	109.6	272.2	136.2	158.2	n.a.	152.9	133.0
Catsup	342.3	525.9	384.9	428.7	402.7	467.8	462.6	n.a.	916.0	95.4
Chili Sauce	44.1	26.3	27.5	24.6	8.0	6.4	12.9	n.a.	6.6	.....
Corn	389.9	278.1	423.7	263.2	357.5	420.4	462.9	n.a.	882.3	101.2
Mushrooms	98.7	57.6	63.5	81.1	101.6	98.4	176.0	n.a.	53.5	83.9
Peas	159.4	226.3	240.8	162.3	83.4	141.0	167.4	285.2	321.6	93.4
Pimientos	31.3	17.5	18.2	30.7	.....	.....	.....	16.5	.....	9.5
Potatoes, Sweet	124.8	120.4	162.1	113.4	75.2	172.2	99.2	134.8	118.9	140.0
Pumpkin & Squash	10.4	12.7	15.9	11.7	10.5	9.9	13.9	13.4	7.0	21.5
Sauerkraut	40.9	59.3	60.8	33.6	15.6	42.4	42.2	19.8	54.3	5.2
Spinach	32.2	62.7	25.1	58.4	42.6	26.0	48.1	n.a.	23.7	40.7
Tomatoes	425.3	676.5	517.1	576.2	545.1	550.3	555.4	674.1	136.5	547.3
Tomato Paste	118.8	149.4	197.2	154.7	56.5	177.5	163.8	139.7	192.3	83.1
Total these items	2,564.7	3,048.6	2,818.2	2,684.0	2,347.9	2,733.8	2,804.3	n.a.	3,205.5	1,615.6
CANNED FRUITS—Thousands of Cases, Equiv. 24/2½										
Apples	30.6	22.1	0	33.7	19.0	12.6	11.3	n.a.	19.5	27.0
Applesauce	84.9	37.1	56.9	47.6	64.2	56.4	71.2	n.a.	141.5	90.0
Apricots	38.6	5.7	4.5	34.5	13.2	20.3	23.5	n.a.	4.3	30.9
Blackberries	2.3	0	0	.....	.....	.....	.....	n.a.	.....	.....
Blueberries	0.0	0	0	.....	3.2	4.4	5.5	n.a.	.....	4.4
Cherries, RSP	0.0	0	0	9.1	1.7	.8	32.0	n.a.	4.5	.....
Cherries, Sweet	5.9	6.8	4.8	8.3	.....	.8	1.1	n.a.	.....	.....
Cranberry sauce	37.8	48.4	33.6	38.2	22.9	19.8	25.1	n.a.	55.4	19.3
Figs	1.4	0	0	.....	.....	.....	.....	n.a.	.....	.....
Fruit cocktail	110.8	152.1	145.9	169.2	168.6	68.9	157.7	n.a.	292.4	136.8
Grapefruit	32.3	13.9	12.4	19.3	4.0	.....	19.5	n.a.	22.3	63.0
Olives	0.0	0	22.8	84.9	68.2	103.7	101.4	n.a.	.....	27.1
Peaches	142.5	138.2	116.2	162.1	135.0	95.5	149.4	207.4	82.4	47.4
Pears	58.4	120.2	74.1	71.9	94.8	50.7	80.9	161.0	50.1	71.3
Pineapple	91.1	137.1	132.9	156.4	138.2	64.8	65.6	265.1	90.8	190.0
Plums (all)	6.8	11.7	7.6	10.5	4.8	1.3	7.3	11.3	7.9	.....
Prunes	0.0	0	0	.....	.....	.9	.....	.....	.....	.....
Total these items	643.4	693.3	611.7	845.7	737.8	500.9	751.5	n.a.	771.1	707.2
CANNED JUICES—Thousands of Cases, Equiv. 24/2										
Apple Juice	207.9	261.8	152.5	218.8	157.2	178.0	224.6	n.a.	80.0	451.0
Grape Juice	89.9	108.7	33.5	51.0	81.9	46.5	96.8	n.a.	273.3	880.1
Grapefruit Juice	195.2	129.3	131.5	80.0	65.3	95.9	97.4	n.a.	106.2	14.0
Grapefrt & Orange	24.8	27.7	17.7	21.6	12.6	28.1	27.7	n.a.	429.8	1.2
Orange Juice	201.1	161.6	264.9	153.7	241.3	252.3	470.8	n.a.	878.3	114.3
Pineapple Juice	215.9	297.1	211.1	176.3	273.6	107.6	269.5	n.a.	105.9	53.0
Tomato Juice†	107.4	76.7	75.2	91.0	58.3	66.4	122.6	n.a.	.....	16.2
Tomato Juice conc.	59.2	6.6	8.1	61.4	30.4	69.0	113.7	n.a.	87.8	5.0
Total these items	1,101.4	1,074.5	894.5	853.8	920.6	843.8	1,423.1	n.a.	1,961.3	1,534.8

† Includes Vegetable Juice Cocktail.

CHILD NUTRITION PROGRAM*

(Source: Commodity Procurement Br., Fruit & Veg. Div., Agricultural Marketing Service, U.S.D.A.)

PACK YEAR*	1982	1983	1984	1985	1986	1987	1988	1989	1990	**1991
CANNED VEGETABLES—Thousands of Cases, Equiv. 24/303										
Beans, Gr.	1,015.7	834.0	980.1	828.8	869.7	738.7	.....	1,177	479	878
Beans, Vegt.	773.4	762.7	1,040.7	714.5	832.2	804.6	451.0	1,165	488	176
Beans, other[1]	420.6	402.7	513.3	585.9	477.6	740.3	1,752.8	679	643	523
Corn	.....	630.9	1,005.0	1,281.6	749.2	545.4	.....	718	583	604
Peas	680.7	481.1	.....	521.6	515.0	439.0	.....	408	138	162
Potatoes, Sweet	†862.5	345.7	463.3	743.1	401.1	370.0	348.9	345	398	186
Tomatoes	.....	666.5	1,072.8	818.1	1,146.3	777.6	527.5	399	986	860
Tomato Catsup	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tomato Paste	.....	.....	1,414.9	721.7	730.4	732.7	194.7	355	270	416
Total	3,752.9	4,123.6	6,490.1	6,219.8	5,721.5	5,148.3	3,274.9	5,246	3,985	3,805
CANNED FRUITS—Thousands of Cases, Equiv. 24/2½										
Applesauce	876.4	763.0	1,079.0	1,200.0	733.4	1,204.3	608.0	404	490	305
Apricots	.....	.....	443.3	.....	.....	.....	239.1	235	n.a.	111
Cranberry Sauce	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fruit Cocktail	.....	.....	.....	.....	.....	.....	.....	.....	.....	180
Mixed Fruit	463.5	.....	.....	.....	.....	253.0	297.0	250	262	172
Peaches	1,226.5	759.0	665.9	542.3	642.9	648.5	364.0	913	.....	284
Pears	846.0	1,261.0	718.5	230.7	929.1	925.1	919.5	859	762	414
Pineapple	477.7	.....	.....	425.6	429.8	423.0	910.5	.....	95	.....
Plums	.....	93.1	.....	.....	85.1	84.2	86.7	41	44	40
Total	3,890.1	2,876.1	2,906.7	2,398.6	2,820.3	3,538.1	3,424.8	2,702	1,653	1,506
CANNED JUICES—Thousands of Cases, Equiv. 24/2										
Apple	.....	.....	.....	.....	.....	1,260.0	.....	504	.....	.....
Tomato	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Misc.	[3]498.7	.....	[4]264.6	.....	.....	.....	.....	.....	.....	.....
Total	498.7	.....	264.6	.....	.....	1,260.0	.....	504	.....	.....

*Beginning 1975 includes small quantities utilized in elderly feeding programs and nonprofit institutions. Pack year beg. July 1. † Includes dehydrated sweet potatoes. [1] Pinto, small red, blackeyes, red kidney, baby lima and great northern. [2] Orange. [3] Grapefruit. [4] Grape. **July 1, 1991 thru June 15, 1992.

DOMESTIC FEEDING PROGRAMS*

(Source: Commodity Procurement Br., Fruit & Veg. Div., Agricultural Marketing Service, U.S.D.A.)

PACK YEAR*	1982	1983	1984	1985	1986	1987	1988	1989	1990	**1991
CANNED VEGETABLES—Thousands of Cases, Equiv. 24/303										
Beans, Gr.	81.2	79.8	119.0	53.2	119.0	99.4	110.6	703	942	633
Beans, Vegt.	514.5	114.8	114.8	103.6	119.7	85.7	1,129.2	922	120	116
Corn	464.3	105.0	141.4	103.6	170.8	113.4	63.0	536	179	408
Peas	47.6	54.6	60.2	67.2	107.8	60.2	60.2	280	88	263
Potatoes, Sweet	329.4	47.6	26.6	42.0	42.0	60.2	261.6	241	21	214
Tomatoes	75.6	56.0	14.0	64.4	88.2	61.6	70.0	71	94	908
Other[1]	151.2	110.6	82.6	130.2	98.0	169.9	91.0	197	106	247
Total	1,663.8	568.4	558.6	564.2	745.5	650.4	1,785.6	2,950	1,550	2,789
CANNED FRUITS—Thousands of Cases, Equiv. 24/2½										
Peaches	256.2	50.3	39.1	64.2	60.8	108.3	45.5	317	188	250
Pears	44.5	260.4	46.3	67.4	67.2	83.8	78.8	72	124	415
Pineapple	29.2	37.3	26.0	22.0	45.3	34.8	20.6	57	107	36
Other[2]	349.7	142.1	177.9	134.8	191.4	151.6	152.4	908	160	209
Total	679.6	490.1	289.3	288.4	364.7	378.5	297.3	1,354	579	910
CANNED JUICES—Thousands of Cases, Equiv. 24/2										
Apple Juice	209.2	241.9	320.0	426.2	186.6	264.6	247.0	851	794	541
Grape Juice	.....	.....	370.4	297.6	211.8	257.0	191.5	249	143	253
Grapefruit Juice	499.0	68.0	17.6	85.7	74.4	71.8	622.0	202	184	120
Orange Juice	622.4	718.2	302.4	158.9	763.6	704.3	1,578.0	345	275	628
Pineapple Juice	194.0	216.7	281.0	232.4	199.1	189.0	205.9	114	145	187
Tomato Juice†	85.7	80.6	73.1	109.7	95.8	92.0	106.0	96	69	75
Total	1,610.3	1,325.4	1,364.5	1,310.5	1,531.3	1,578.7	2,950.4	1,857	1,610	1,804

*Pack year beginning July 1. **July 1 thru May 31, 1992. † Includes Vegetable Juice Cocktail. [1] Includes carrots, white potatoes, pumpkin, spinach. [2] Includes applesauce, apricots, fruit cocktail, purple plums.

GOVERNMENT PURCHASES—SPECIFIED FROZEN FOODS

MILITARY

Source: Fr. & Veg. Br., Contr. & Prod. Div., Dir. of Subsistence, Defense Personnel Support Center

Thousands of Pounds*

PACK YEAR	1985	1986	1987	1988	1989	1990	1991
VEGETABLES							
Asparagus	1,196.0	672.0	1,116	495	1,238	458	553
Beans, Green & Wax	2,235.9	677.5	2,730	3,640	2,560	4,028	2,678
Beans, Lima	908.0	1,171.3	1,028	677	544	912	714
Broccoli	3,039.0	3,894.7	3,915	3,386	3,308	4,161	3,613
Brussel Sprouts	1,517.3	1,547.1	1,672	1,730	1,549	1,659	1,176
Carrots	1,244.2	1,282.4	1,615	2,106	1,208	1,690	1,497
Cauliflower	2,288.9	2,821.0	2,624	2,113	2,433	2,862	2,138
Corn	6,054.2	6,932.2	6,838	4,488	5,630	3,851	3,662
Greens	1,538.8	1,308.7	1,188	300	1,558	1,755	1,165
Okra	373.0	441.4	335	330	375	361	382
Onion Rings	1,000.1	2,017.5	2,251	1,710	1,847	2,103	1,695
Peas	2,312.1	2,756.1	2,350	2,839	3,074	742	2,048
Peas & Carrots	1,066.5	1,333.6	1,314	1,629	1,046	1,501	1,100
Peppers, Sweet	20.0	40.2	20	20	59	76	70
Potatoes, Diced	328.0	400.0	286	288	418	380	227
Potatoes, French fried	27,884.9	25,234.7	32,921	26,875	25,796	26,942	16,504
Potatoes, Shoestring	3,141.4	4,586.0	3,734	3,652	4,088	4,145	3,588
Potatoes, Shredded	6,621.6	8,385.5	10,061	9,623	9,215	8,546	6,672
Spinach	1,596.1	2,084.3	1,515	1,122	1,499	1,681	1,320
Squash	1,760.0	1,412.0	879	573	854	1,202	682
Succotash	1,671.6	1,245.5	1,344	1,494	805	1,567	994
Vegetables, Mixed	2,188.6	3,106.5	2,735	3,574	2,116	3,322	2,025
Total Above	69,986.2	73,350.0	82,471	72,663	71,220	73,944	54,517
FRUITS							
Blueberries	147.0	83.0	76.0	20.0	38	76	.....
Cherries	.....	.....	.....	.....	.....	.....	.....
Peaches	.....	144.0	144.0	129.0	38	38	38
Raspberries	.....	.8	.....	.....	.....	.....	.....
Strawberries	1,680.5	496.0	137.0	1,056.0	1,275	1,130	988
Total Above	1,827.5	723.8	357.0	1,205.0	1,351	1,244	1,026
JUICES*, CONCENTRATED, conc. basis							
Grape Juice	141,385	157,007	143,210	162,367	154,370	152,546	86,426
Grapefruit Juice	28,648	104,259	110,650	3,400	12,000	22,150	12,000
Lemon Juice	7,983	88,699	75,200	5,667	8,425	6,751	.....
Lime Juice	.....	.....	.....	.....	.....	.....	.....
Orange Juice	398,807	641,516	836,150	383,966	358,904	352,086	262,510
Total Above	576,823	991,481	1,165,210	555,400	533,699	533,533	360,936

*Juices reported on basis of cases of 12/32 oz. containers of concentrated product.

USDA—CHILD NUTRITION

(Includes small quantities used for elderly)

(Source: Commodity Procurement Br., Fruit & Veg. Div., Agricultural Marketing Service, U.S.D.A.)

Thousands of Pounds

PACK YEAR[1]	1983	1984	1985	1986	1987	1988	1989	1990	**1991
Beans, Green	726	1,056	396	1,014	390	.....	1,800	1,053	2,652
Corn	4,554	3,894	1,056	1,794	2,769	.....	2,500	7,025	.....
Peas	1,056	.....	1,452	2,847	4,953	.....	.....	7,800	.....
Potato Rounds	.....	24,156	54,258	28,386	22,851	29,250	20,367	28,894	26,067
Potatoes, French Fried	37,554	19,734	50,124	28,233	46,022	28,974	39,418	44,558	27,106
Vegetables, Mixed	.....	18,612	16,632	14,407	14,167	.....	.....	14,976	.....
Total	43,890	67,452	123,918	76,681	91,152	58,224	64,085	104,306	55,825
Blackberries	.....	.....	.....	.....	300	1,872	.....	.....	.....
Blueberries	560	5,563	6,923	.....	.....	.....	.....	.....	.....
Cherries, RTP	.....	13,200	21,562	39,036	18,163	4,723	.....	.....	.....
Lemon Juice (Conc.)	.....	.....	.....	.....	.....	.....	.....	.....	.....

[1] July 1 thru June 30 beginning year shown. **July 1, 1991 thru June 15, 1992. n.a. - Not available.

CIVILIAN PER CAPITA CONSUMPTION

FRUIT JUICES—CANNED & CHILLED[1]

Source: USDA, Economic Research Service, Commodity Economics Div.

Per Capita Consumption—Pounds—Single Strength Basis

Year	Canned									Chilled[2]	
	Citrus				Noncitrus						
	Orange	Grapefruit	Blended orange and grapefruit	Lemon and lime	Apple	Fruit nectars	Grape	Pineapple	Prune	Orange[3]	Grapefruit
1970....	1.75	2.99	0.33	0.10	2.7	0.68	0.58	3.0	1.09	4.28	0.33
1971....	1.66	3.24	.31	.10	3.2	.67	.71	2.7	1.07	4.28	.42
1972....	1.51	3.25	.25	.10	2.6	.56	.53	2.8	.66	4.51	.61
1973....	1.74	3.42	.24	.10	2.6	.50	.56	3.3	.97	4.61	.54
1974....	1.48	3.49	.22	.10	2.5	.52	.67	2.3	.72	4.59	.52
1975....	1.52	3.34	.23	.12	2.9	.77	.59	2.1	.81	4.96	.61
1976....	1.37	3.33	.32	.08	3.3	.76	.56	1.9	.99	5.31	.72
1977....	1.46	3.13	.21	.08	3.3	.67	.45	2.3	.88	4.92	.69
1978....	1.74	3.50	.17	.06	4.3	.75	.92	2.6	.93	5.25	.74
1979....	2.04	3.35	.08	.05	5.3	.56	.65	2.7	.80	4.83	.57
1980....	1.98	2.93	.09	.05	4.8	.67	.65	2.7	.86	5.15	.64
1981....	2.26	2.42	.07	.06	6.4	.70	.68	2.8	.92	3.62	.48
1982....	1.58	2.24	.02	.03	7.2	.51	.65	n.a.	.78	3.17	.30
1983....	1.25	1.59	.04	.04	8.6	.36	.91	n.a.	.61	3.87	.23
1984....	1.47	1.21	.04	.04	n.a.	.27	.75	n.a.	.67	3.42	.23
1985....	.85	1.30	.04	.05	n.a.	.41	.52	n.a.	.63	3.01	.19
1986....	.82	1.14	.04	.05	n.a.	.36	.50	n.a.	.64	3.56	.21
1987....	.91	1.02	.03	.05	n.a.	.26	.80	n.a.	.54	4.23	.24
1988....	.78	.85	.01	.03	n.a.	.29	.81	n.a.	.63	4.88	.20
1989....	.77	.75	.01	.04	n.a.	n.a.	n.a.	n.a.	n.a.	6.20	0.32
1990....	1.04	.62	.01	.13	n.a.	n.a.	n.a.	n.a.	n.a.	6.10	0.20

[1] Calendar year basis except for citrus juices, on a pack-year basis beginning October prior to year indicated.

[2] Chilled fruit juice produced commercially from fresh fruit in Florida; does not include reconstituted or frozen juice or fresh juice produced for local sale.

[3] Includes orange juice processed only from Florida oranges.

FRUIT JUICES—FROZEN CITRUS[1]

Pounds—Single Strength Basis

Year	Orange	Grapefruit	Lemon	Lemonade Base	Tangerine	Total
1970..........	20.73	0.74	.05	0.24	0.18	21.94
1971..........	24.22	.81	.09	0.25	.18	25.55
1972..........	27.71	1.09	.09	0.28	.18	29.35
1973..........	26.86	1.09	.06	0.34	.18	28.53
1974..........	29.47	1.16	.06	0.31	.14	31.14
1975..........	32.78	.99	.26	0.72	.21	34.96
1976..........	34.33	.28	.02	0.38	.11	35.12
1977..........	34.12	1.83	.14	0.28	.25	36.62
1978..........	27.53	1.80	.25	0.50	.25	30.32
1979..........	30.31	1.80	.21	0.38	.21	32.91
1980..........	31.76	1.52	.09	0.18	.21	33.76
1981..........	30.14	2.33	.16	0.27	.32	33.23
1982..........	33.28	2.54	.23	0.53	.32	36.90
1983..........	38.85	2.33	.16	0.28	.07	41.69
1984..........	33.49	1.59	.16	0.29	.11	35.64
1985..........	36.24	3.56	.21	0.36	.11	40.48
1986..........	39.83	2.61	.48	0.24	.11	43.27
1987..........	35.92	3.60	.28	0.26	.14	40.20
1988..........	37.36	2.11	.27	0.30	.07	40.11
1989..........	30.17	3.74	.13	0.22	.07	34.33
1990..........	25.10	1.90	.05	0.10	.04	27.19

[1] Frozen concentrated fruit juices converted to single-strength on basis of 3.525 pounds to 1; Lemonade base, 0.74 to 1.

[2] Includes concentrates used in chilled products.

APPENDIX—PER CAPITA CONSUMPTION—Continued

FRUITS—CANNED

Per Capita Consumption—Pounds—Product Weight Basis—U.S.D.A./ERS

Year	Apples	Apricots	Sweet Cherries	Tart Cherries	Olives	Peaches	Pears	Plums & Prunes	Total
1970	4.51	0.78	0.05	0.38	0.96	5.65	3.23	0.19	15.76
1971	4.21	0.64	0.09	0.34	0.94	5.90	3.94	0.17	16.23
1972	3.73	0.66	0.04	0.38	0.84	5.27	3.58	0.14	14.63
1973	4.77	0.70	0.08	0.17	0.89	4.83	3.97	0.11	15.52
1974	4.60	0.45	0.05	0.36	0.81	5.40	3.67	0.10	15.44
1975	3.80	0.51	0.07	0.29	0.93	4.78	3.86	0.06	14.29
1976	3.41	0.61	0.08	0.14	0.98	4.98	4.24	0.17	14.59
1977	3.91	0.57	0.04	0.23	1.14	4.92	4.40	0.12	15.32
1978	4.41	0.50	0.03	0.17	1.62	4.69	3.75	0.13	15.30
1979	4.73	0.42	0.02	0.17	0.92	4.53	4.56	0.10	15.45
1980	4.22	0.41	0.05	0.27	1.00	4.53	4.51	0.04	15.03
1981	3.48	0.41	0.05	0.03	0.83	3.76	4.30	0.08	12.93
1982	4.29	0.37	0.02	0.30	0.99	3.74	3.98	0.13	13.83
1983	4.11	0.33	0.03	0.17	1.15	3.33	3.58	0.08	12.78
1984	4.01	0.35	0.04	0.31	1.16	3.24	3.13	0.05	12.28
1985	4.21	0.42	0.03	0.27	1.31	3.28	3.13	0.07	12.71
1986	3.93	0.26	0.00	0.19	1.36	3.70	3.35	0.07	12.86
1987	4.31	0.31	0.01	0.29	1.29	3.48	3.80	0.09	13.57
1988	4.57	0.24	0.03	0.22	1.15	3.51	3.44	0.07	13.22
1989	4.27	0.38	0.04	0.18	1.40	3.38	3.68	0.07	13.40
1990	4.46	0.35	0.01	0.28	1.22	3.21	3.88	0.06	13.47

FRUITS—DRIED

Per Capita Consumption—Pounds—Product Weight Basis—U.S.D.A./ERS

[1]Year	Apricots	Dates	Figs	Peaches	Pears	Prunes	Raisins	[2]Total
1970/71	0.06	0.26	0.22	0.02	0.01	0.69	1.35	2.61
1971/72	.04	.26	.20	.02	.01	.58	1.43	2.54
1972/73	.04	.25	.13	.02	.01	.49	1.04	1.98
1973/74	.05	.33	.18	.01	.01	.55	1.38	2.51
1974/75	.03	.26	.16	.01	.01	.51	1.29	2.27
1975/76	.05	.34	.16	.02	.01	.60	1.43	2.61
1976/77	.06	.33	.17	.02	.01	.53	1.32	2.44
1977/78	.06	.36	.16	.02	.01	.49	1.28	2.38
1978/79	.04	.34	.17	.01	.01	.43	1.12	2.12
1979/80	.06	.26	.17	.01	.01	.38	1.34	2.23
1980/81	.03	.14	.13	.01	.01	.43	1.47	2.19
1981/82	.05	.18	.14	.02	.01	.46	1.53	2.33
1982/83	.08	.26	.14	.02	.01	.42	1.55	2.40
1983/84	.09	.25	.14	.04	.01	.46	1.52	2.42
1984/85	.09	.32	.13	.04	.01	.39	1.81	2.70
1985/86	.03	.24	.13	.02	.01	.47	1.85	2.71
1986/87	.08	.15	.14	.01	.01	.44	1.80	2.57
1987/88	.05	.17	.18	.02	.01	.62	1.90	2.89
1988/89	.08	.23	.15	.02	.01	.58	2.10	3.10
1989/90[3]	.08	.20	.16	.01	.01	.76	1.93	3.08

[1] Season beginning July for apricots, peaches, and pears; September-dates; August-figs, prunes, and raisins.

[2] Some figures may not add due to rounding. [3] Preliminary.

FRUITS—FROZEN

Per Capita Consumption—Pounds—Product Weight Basis

Year	Blackberries	Raspberries	Strawberries	Blueberries	Other berries	Apples	Apricots	Cherries	Peaches	Misc.[2]	Total
1970....	.10	.16	1.19	.21	.06	.47	.06	.61	.28	.20	3.34
1971....	.16	.16	1.41	.18	.07	.53	.07	.68	.26	.16	3.68
1972....	.11	.12	1.35	.18	.06	.66	.04	.64	.31	.16	3.63
1973....	.08	.10	1.19	.16	.05	.61	.08	.81	.23	.20	3.51
1974....	.06	.09	1.13	.14	.04	.33	.06	.49	.28	.14	2.76
1975....	.08	.09	1.40	.19	.04	.45	.07	.44	.28	.15	3.19
1976....	.12	.13	1.28	.13	.05	.39	.06	.67	.13	.11	3.07
1977....	.12	.13	1.16	.13	.04	.44	.07	.62	.28	.20	3.19
1978....	.10	.10	1.37	.11	.05	.39	.07	.64	.27	.18	3.28
1979....	.06	.08	1.13	.13	.03	.33	.06	.52	.21	.13	2.68
1980....	.02	.08	1.39	.18	.03	.35	.07	.48	.27	.19	3.05
1981....	.04	.08	1.32	.17	.02	.37	.05	.49	.19	.15	2.89
1982....	.09	.07	1.14	.11	.02	.43	.06	.61	.23	.17	2.95
1983....	.08	.07	1.17	.04	.04	.32	.07	.62	.31	.19	2.92
1984....	.04	.06	1.25	.25	.02	.39	.06	.58	.28	.11	3.04
1985....	.06	.10	1.22	.22	.02	.35	.07	.58	.41	.26	3.28
1986....	.04	.09	1.27	.39	.03	.40	.07	.67	.41	.21	3.56
1987....	.05	.07	1.29	.29	.02	.53	.08	1.00	.27	.27	3.88
1988....	.08	.09	1.33	.20	.04	.50	.06	.73	.33	.44	3.78
1989....	.11	.17	1.51	.31	.03	.48	.07	.74	.44	.69	4.56
1990....	.07	.16	1.38	.33	.03	.40	.07	.80	.35	.67	4.25

[2] Includes grapes & pulp, plums, prunes & misc. not listed separately.

FISHERY PRODUCTS[1]

U.S. Per Capita Consumption—Pounds Edible Weight

Year	Fresh and frozen[1]			Canned						Cured	Total
	Fish	Shellfish	Total	Salmon	Sardines	Tuna	Shellfish	Other	Total		
1964....	3.8	2.1	5.9	0.7	0.3	2.0	0.5	0.6	4.1	0.5	10.5
1965....	3.8	2.2	6.0	.9	.3	2.3	.4	.4	4.3	.5	10.8
1966....	3.9	2.2	6.1	.8	.4	2.3	.4	.4	4.3	.5	10.9
1967....	3.6	2.2	5.8	.7	.4	2.4	.5	.3	4.3	.5	10.6
1968....	4.0	2.2	6.2	.7	.4	2.4	.5	.3	4.3	.5	11.0
1969....	4.4	2.2	6.6	.7	.4	2.4	.5	.2	4.2	.4	11.2
1970....	4.5	2.4	6.9	.7	.4	2.5	.5	.4	4.5	.4	11.8
1971....	4.3	2.4	6.7	.7	.4	2.4	.5	.3	4.3	.5	11.5
1972....	4.7	2.4	7.1	.7	.4	2.9	.5	.4	4.9	.5	12.5
1973....	5.2	2.2	7.4	.4	.5	3.1	.5	.5	5.0	.4	12.8
1974....	4.4	2.5	6.9	.3	.4	3.1	.5	.4	4.7	.5	12.1
1975....	4.9	2.6	7.5	.3	.2	2.9	.5	.4	4.3	.4	12.2
1976....	5.6	2.6	8.2	.3	.3	2.8	.4	.4	4.2	.5	12.9
1977....	5.1	2.6	7.7	.5	.3	2.8	.6	.4	4.6	.4	12.7
1978....	5.5	2.6	8.1	.6	.3	3.3	.5	.3	5.0	.3	13.4
1979....	5.4	2.4	7.8	.5	.3	3.2	.5	.3	4.8	.4	13.0
1980....	n.a.	n.a.	7.9	.5	.3	3.0	.4	.1	4.3	.3	12.5
1981....	n.a.	n.a.	7.8	.5	.4	3.0	.4	.3	4.6	.3	12.7
1982....	n.a.	n.a.	7.9	.5	.3	2.8	.4	.3	4.3	.3	12.5
1983....	n.a.	n.a.	8.4	.5	.2	3.2	.4	.4	4.7	.3	13.4
1984....	n.a.	n.a.	9.0	.6	.2	3.2	.4	.5	4.9	.3	14.2
1985....	n.a.	n.a.	9.8	.5	.3	3.3	.5	.4	5.0	.3	15.1
1986....	n.a.	n.a.	9.8	.5	.3	3.6	.5	.5	5.4	.3	15.5
1987....	n.a.	n.a.	10.7	.4	.3	3.5	.5	.5	5.2	.3	16.2
1988....	n.a.	n.a.	10.0	.3	.3	3.6	.4	.3	4.9	.3	15.2
1989....	n.a.	n.a.	10.2	.3	.3	3.9	.4	.2	5.1	.3	15.6
1990....	n.a.	n.a.	9.6	.4	.3	3.7	.3	.4	5.1	.3	15.0
1991....	n.a.	n.a.	9.7	.5	.2	3.6	.4	.2	4.9	.3	14.9

[1] Beginning in 1973 data includes artificially cultivated catfish. Domestic landings used in calculating consumption are preliminary after 1977.

APPENDIX—PER CAPITA UTILIZATION

VEGETABLES, SELECTED—FRESH AND PROCESSED

Per Capita Utilization—Pounds—Farm Weight Basis—Figures Rounded—Calendar Years—Source: U.S.D.A., ERS

	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Asparagus, all	0.8	0.8	0.8	0.8	0.9	1.0	1.0	1.0	1.0	1.0	1.0
Fresh	0.3	0.4	0.4	0.4	0.5	0.6	0.6	0.6	0.6	0.6	0.6
Canning	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Freezing	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Snap beans, all	6.3	5.7	5.6	5.5	5.7	5.4	5.5	5.5	5.8	5.6	6.3
Canning	4.6	4.2	4.1	3.7	3.8	3.9	3.8	3.8	3.9	3.7	4.5
Freezing	1.7	1.5	1.5	1.8	1.9	1.5	1.7	1.7	1.9	1.9	1.8
Broccoli, all[2]	3.2	3.5	3.5	4.3	4.5	4.7	5.3	6.2	6.0	5.6	5.4
Fresh	1.7	2.0	2.0	2.5	2.6	3.0	3.1	3.8	3.8	3.4	3.1
Freezing	1.5	1.5	1.5	1.8	1.9	1.7	2.2	2.4	2.2	2.2	2.3
Carrots, all[3]	9.5	9.5	9.5	10.7	9.7	9.5	11.4	10.6	11.5	11.3	11.2
Fresh	6.1	6.6	6.5	6.7	6.5	6.5	8.3	7.2	7.9	8.0	7.4
Canning	0.9	0.8	0.8	1.1	0.9	0.8	0.8	0.9	1.0	0.9	1.0
Freezing	2.5	2.1	2.2	2.9	2.3	2.2	2.3	2.5	2.6	2.4	2.8
Cauliflower, all[2]	2.3	2.2	2.2	2.7	2.7	3.1	3.0	3.1	3.1	3.0	2.7
Fresh	1.4	1.3	1.4	1.8	1.8	2.2	2.1	2.2	2.3	2.2	2.0
Freezing	0.9	0.9	0.8	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.7
Celery, fresh	7.4	7.6	7.2	7.3	7.0	6.6	6.7	7.2	7.5	7.2	6.8
Sweet corn, all[4]	24.6	23.4	24.3	24.6	26.2	25.8	24.7	24.8	24.3	26.1	26.1
Fresh	6.2	6.0	6.1	6.4	6.4	6.1	6.3	5.7	6.4	6.5	5.6
Canning	12.1	11.6	11.6	10.2	11.9	12.1	10.6	10.4	9.5	11.0	11.1
Freezing	6.3	5.8	6.6	8.0	7.9	7.6	7.8	8.7	8.4	8.6	9.4
Cucumbers for pickles	5.0	5.1	5.2	5.2	5.8	5.3	5.2	5.3	5.2	5.2	4.9
Honeydews, fresh.	1.5	1.8	1.8	1.8	2.1	2.4	2.2	2.3	2.5	2.1	1.9
Lettuce, fresh	24.9	24.9	22.4	24.9	23.7	21.9	25.7	27.0	28.8	27.8	26.1
Onions, fresh[5]	12.8	15.4	15.0	15.9	16.4	16.7	16.3	17.6	17.9	18.6	18.8
Green peas, all[6]	4.4	4.2	4.2	4.0	4.2	4.1	3.7	3.6	3.7	4.1	4.1
Canning	2.7	2.5	2.4	2.0	2.1	2.2	2.0	1.7	1.7	2.0	1.9
Freezing	1.7	1.7	1.8	2.0	2.1	1.9	1.7	1.9	2.0	2.2	2.3
Tomatoes, all	71.6	73.0	73.5	82.8	78.1	79.5	81.0	78.1	86.2	85.8	85.9
Fresh	12.3	12.9	12.6	14.3	14.9	15.9	15.8	16.8	16.8	15.5	15.3
Canning	59.3	60.1	60.9	68.5	63.2	63.6	65.2	61.3	69.4	70.3	70.6
Other, fresh[7]	35.8	39.4	36.8	42.1	42.4	42.1	43.0	42.8	45.1	44.4	41.4
Subtotal, all	210.1	216.5	212.0	232.6	229.4	228.1	234.7	235.1	248.6	247.9	242.7
Fresh	110.4	118.3	112.2	124.1	124.3	124.0	130.1	133.2	139.6	136.3	129.0
Canning	85.0	84.6	85.3	91.0	88.0	88.2	87.9	83.7	91.0	93.4	94.3
Freezing	14.7	13.6	14.5	17.5	17.1	15.9	16.7	18.2	18.0	18.2	19.4
Potatoes, all	116.3	114.9	118.5	121.9	122.4	125.8	125.8	122.2	127.5	129.8	131.4
Fresh	45.8	47.1	49.8	48.3	46.3	48.8	47.9	49.6	50.1	47.5	47.1
Canning	1.8	1.9	1.9	1.8	1.9	1.8	1.8	1.9	2.0	1.9	1.9
Freezing	41.5	38.6	39.2	43.7	45.4	46.3	47.9	43.3	46.8	50.2	52.6
Chips/shoestrings	16.6	17.1	17.8	18.0	17.6	18.2	17.6	17.2	17.5	17.4	17.3
Dehydrating	10.6	10.2	9.8	10.1	11.2	10.7	10.6	10.2	11.1	12.8	12.5
Sweetpotatoes: Fresh & processed	5.2	5.9	5.0	5.4	5.8	4.8	4.8	4.5	4.5	5.0	4.4
Mushrooms, all	2.9	3.0	3.5	3.6	3.6	3.8	3.5	3.6	3.5	3.8	3.8
Fresh	1.4	1.5	1.7	1.8	1.8	1.9	1.9	2.0	2.0	2.0	2.0
Processing	1.5	1.5	1.8	1.8	1.8	1.9	1.6	1.6	1.5	1.8	1.8
Dry peas & lentils	0.6	0.4	0.4	0.4	0.5	0.7	0.5	0.6	0.8	0.5	0.6
Dry edible beans	5.5	6.6	6.6	5.2	7.2	6.7	5.3	7.0	5.5	5.6	7.9
Total, all items	340.6	347.3	346.0	369.1	368.9	369.9	374.6	373.0	390.4	392.6	390.8

[1] Due to changes in data series and methodology, historical estimates for some commodities may have changed.
[2] All production for processing broccoli and cauliflower is for freezing.
[3] Industry allocation suggests that 27 percent of processing carrot production is for canning and 73 percent is for freezing.
[4] On-cob basis.
[5] Includes production for the State of California, which is primarily for processing.
[6] In-shell basis.
[7] Includes artichokes, garlic, eggplant, cucumbers, bell peppers, cabbage, snap beans, cantaloupe, and watermelon.

EXPENDITURES—FOOD FOR OFF-PREMISE USE

Source: U.S.D.A., Economic Research Service—Millions of Dollars

Year	[2]Food-stores	[3]Other stores	Food delivered to home mail order	Farmers, manu-facturers, and wholesalers	Total sales	Food produced at home and donations	Total for off-premise use
1972	75,520	3,865	2,423	1,828	83,636	4,297	87,933
1973	83,200	4,556	2,294	2,019	92,069	5,217	97,286
1974	94,529	5,079	2,233	2,297	104,138	6,114	110,252
1975	103,624	5,739	1,976	2,536	113,875	5,975	119,850
1976	110,793	6,283	1,886	2,724	121,686	6,149	127,835
1977	118,256	7,070	2,264	2,934	130,524	6,035	136,559
1978	130,568	7,705	2,385	3,221	143,879	6,476	150,355
1979	145,943	8,416	2,567	3,565	160,491	6,992	167,483
1980	161,439	9,261	2,762	3,901	177,363	8,275	185,638
1981	172,227	10,138	2,729	4,146	189,240	9,280	198,520
1982	179,144	10,774	2,616	4,215	196,749	9,435	206,184
1983	186,709	13,155	2,676	4,312	206,852	9,935	216,787
1984	195,771	15,171	2,785	4,493	218,220	9,324	227,544
1985	202,982	17,179	2,768	4,637	227,566	7,079	234,645
1986	207,628	20,367	2,910	4,672	235,577	7,710	243,287
1987	213,850	21,941	3,382	5,119	244,292	8,214	252,506
1988	224,427	22,666	3,725	5,247	256,065	8,279	264,344
1989	240,442	24,318	3,929	5,623	274,312	8,245	282,557
1990	260,905	25,867	4,200	5,738	296,710	8,610	305,320
1991	267,653	26,357	4,204	5,826	304,040	8,660	312,700

[2] Excludes estimated sales to restaurants and institutions. [3] Includes eating and drinking establishments and trailer parks; commissary stores, and military exchanges.

EXPENDITURES—MEALS AND SNACKS

Source: U.S.D.A., Economic Research Service—Millions of Dollars

Year	[2]Eating and drinking places	[2]Hotels and motels	[3]Retail stores, direct selling	[4]Recrea-tional places	[5]Schools and colleges	[6]All other	Total for meals & snacks
1972	27,167	2,390	3,811	832	5,370	7,017	46,587
1973	31,265	2,639	4,218	963	5,605	7,960	52,650
1974	34,029	2,864	4,520	1,167	6,287	9,178	58,045
1975	41,384	3,199	4,952	1,369	7,060	10,145	68,109
1976	47,536	3,769	5,341	1,511	7,854	10,822	76,833
1977	52,491	4,115	5,663	2,606	8,413	11,547	84,835
1978	60,042	4,863	6,323	2,810	9,034	13,005	96,077
1979	68,872	5,551	7,157	2,921	9,942	14,732	109,175
1980	75,883	5,906	8,158	3,040	11,180	16,215	120,382
1981	83,358	6,639	8,830	2,979	11,816	17,760	131,382
1982	90,390	6,888	9,253	2,887	12,415	18,663	140,496
1983	98,710	7,660	9,819	3,271	13,142	19,577	152,179
1984	105,836	8,409	10,304	3,489	13,887	21,099	163,024
1985	111,760	9,168	10,482	3,737	14,651	21,827	171,625
1986	121,699	9,665	11,093	4,059	15,794	23,157	185,467
1987	135,826	10,950	11,658	4,538	16,982	24,666	204,620
1988	147,970	11,896	12,468	5,003	17,742	26,267	221,346
1989	155,946	12,343	13,289	5,431	18,491	28,250	233,760
1990	165,327	12,849	14,317	5,753	19,279	30,775	248,300
1991	171,446	13,625	14,735	5,937	19,934	31,989	257,666

[2] Includes tips. [3] Includes vending machine operators but not vending machines operated by other organizations. [4] Motion picture theaters, bowling alleys, pool parlors, sport arenas, camps, amusement parks, golf and country clubs. Includes concessions beginning 1977. [5] Includes school food subsidies. [6] Military exchanges and clubs; railroad dining cars; airlines; food service in manufacturing plants, institutions, hospitals, boarding houses, fraternities and sororities, and civic and social organizations; and food supplied to military forces and civilian employees; child daycare.

1987 CENSUS OF MANUFACTURERS

Source: U.S. Department of Commerce, Bureau of Census (Issued March 1990)

GENERAL

The 1987 Census of Manufactures is the 32nd census of manufacturing establishments conducted in the United States. Title 13 of the United States Code specifies that an economic census be conducted every 5 years to cover years ending in 2 and 7.

SCOPE AND COVERAGE

ESTABLISHMENT BASIS OF REPORTING

All manufacturing establishments with one paid employee or more at any time during the year are covered by the census of manufactures. Therefore, a company operating at more than one location is required to file a separate report for each location. This report excludes information for separately operated administrative offices, warehouses, garages, and other auxiliary units which service manufacturing establishments of the same company. Where these auxiliary operations are conducted at the same location as the manufacturing operation and operate as an integral part thereof, they are usually included in the report for the operating manufacturing establishment.

USE OF ADMINISTRATIVE RECORDS

From a universe of approximately 350,000 manufacturing establishments in the 1987 Census of Manufactures, approximately 150,000 small single-establishment companies were excused from filing reports. Selection of the small establishment nonmail cases was done on an industry-by-industry basis. A variable cutoff was used to determine those establishments for which administrative records were to be used in place of a census report. The cutoffs were selected so the administrative-record cases would account for no more than 3 percent of the value of shipments for the industry. Generally, all single-establishment companies with less than 5 employees were excused, while all establishments with more than 20 employees were mailed forms. Where establishments in the 5 to 20 employee size range were included in the mail canvass, an abbreviated census form was frequently used.

For these nonmail establishments, information on the physical location of the establishment, on payrolls, receipts (shipments), and industry classification, was obtained from the administrative records of other Federal agencies under special arrangements, which safeguarded their confidentiality. Estimates of data for these small establishments were developed using industry averages in conjunction with the administrative information. The estimated value of shipments and cost of materials were not distributed among specific products and materials but were included in the product and material "not specified by kind" (n.s.k.) categories.

EXPLANATION OF TERMS

NUMBER OF ESTABLISHMENTS AND COMPANIES-A separate report was required for each manufacturing establishment (plant) with one employee or more. An establishment is defined as a single physical location where manufacturing is performed. A company, on the other hand, is defined as a business organization consisting of one establishment or more under common ownership or control.

ALL EMPLOYEES-This item includes all full-time and part-time employees on the payrolls of operating manufacturing establishments during any part of the pay period which included the 12th of the months specified on the report form. Included are all persons on paid sick leave, paid holidays, and paid vacations during these pay periods. Officers of corporations are included as employees; proprietors and partners of unincorporated firms are excluded. The "all employees" number is the average number of production workers plus the number of other employees in mid-March. The number of production workers is the average for the payroll periods including the 12th of March, May, August, and November.

PRODUCTION WORKERS-This item includes workers (up through the line-supervisor level) engaged in fabricating, processing, assembling, inspecting, receiving, storing, handling, packing, warehousing, shipping (but not delivering), maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (e.g., power plant), recordkeeping, and other services closely associated with these production operations at the establishment covered by the report. Employees above the working-supervisor level are excluded from this item.

OTHER EMPLOYEES-Includes nonproduction personnel, including those engaged in the following activities: supervision above working-supervisor level, sales (including driver/salespersons), sales delivery (truckdrivers and helpers), advertising, credit collection, installation and servicing of own product, clerical and routine office functions, executive, purchasing, finance, legal, personnel (including cafeteria, etc.), professional, and technical employees.

PRODUCTION-WORKER HOURS-Covers hours worked or paid for at the plant, including actual overtime hours (not straight-time equivalent hours). It excludes hours paid for vacations, holidays, or sick leave.

COST OF MATERIALS-Refers to direct charges actually paid or payable for items consumed or put into production during the year, including freight charges and other direct charges incurred by the establishment in acquiring these materials. It includes the cost of materials or fuels consumed, whether purchased by the individual establishments from other companies, transferred to it from other establishments of the same company, or withdrawn from inventory during the year.

The important components of this cost item are (a) all raw materials, semifinished goods, parts, containers, scrap, and supplies put into production or used as operating supplies and for repair and maintenance during the year; (b) electric energy purchased; (c) fuels consumed for heat, power, or generating electricity; (d) work done by others on materials or parts furnished by manufacturing establishments (contract work); and (e) products bought and resold in the same condition.

SPECIFIC MATERIALS CONSUMED (Table 3)-In addition to the total cost of materials which every establishment was required to report, information was also collected for most manufacturing industries on the consumption of major materials used in manufacturing. These inquiries were restricted to those materials which were important parts of the cost of production in a particular industry and for which cost information was available from manufacturer's records. Establishments consuming less than a specified amount (usually $10,000) of a specific material were not requested to report consumption of that material separately. Also, the cost of materials for the small establishments for which administrative records or short forms were used was estimated as "not specified by kind" (n.s.k.).

VALUE OF SHIPMENTS AND OTHER RECEIPTS-Generally refers to received and receivable net selling values, f.o.b. plant (exclusive of freight and taxes), of all products shipped, both primary and secondary, as well as all miscellaneous receipts such as receipts for contract work performed for others, installation and repair receipts, sale of scrap, and sale of products bought and resold without further processing. Included are all items made by or for the establishment from materials owned by it whether sold, transferred to other plants of the same company, or shipped on consignment. The net selling value of products made in one plant on a contract basis from materials owned by another was reported by the plant providing the materials.

In a few industries, the value of production or value of work completed is used instead of value of shipments. These industries are identified in the introduction and are footnoted in table 1.

In the case of multiunit companies, the manufacturer was requested to report the value of products transferred to other establishments of the same company at full economic or commercial value, that is, including not only the direct costs of production but also a reasonable proportion of "all other costs" (including company overhead and profit).

VALUE ADDED BY MANUFACTURE-This measure of manufacturing activity is derived by subtracting the cost of materials, supplies, containers, fuel, purchased electricity, and contract work from the value of shipments (products manufactured plus receipts for services rendered). The result of this calculation is then adjusted by the addition of value added by merchandising operations (that is, the difference between the sales value and cost of merchandise sold without further manufacturing, processing, or assembly) plus the net change in finished goods and work-in-process inventories between the beginning and end of the year.

For those industries where value of production is collected instead of value of shipments (see footnote 9 in table 1a), value added is adjusted only for the change in work-in-process inventories between the beginning and end of the year. For those industries where value of work done is collected, the value added does not include an adjustment for the change in finished goods or work-in-process inventories.

Value added avoids the duplication in the figure for value of shipments which results from the use of products of some establishments as materials by others. Value added is considered to be the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

NEW AND USED CAPITAL EXPENDITURES-Establishments in operation and any known plants under construction were asked to report their expenditures for (a) permanent additions and major alterations to manufacturing establishments and (b) new machinery and equipment used for replacement and additions to plant capacity if they are of the type for which depreciation accounts are ordinarily maintained.

Manufacturers also were requested to report the value of all used buildings and equipment purchased during the year, including transfers from parent company to subsidiary, and the cost of the fixed assets if the establishment changed ownership.

SPECIALIZATION AND COVERAGE RATIOS-An establishment is classified in a particular industry if its shipments of primary products of the industry exceed in value its shipments of the products of any other single industry. An establishment's shipments include those products assigned to an industry (primary products), those considered primary to other industries (secondary products), and receipts for miscellaneous activities (merchandising, contract work, resales, etc.).

SPECIALIZATION RATIO-Represents the ratio of primary product shipments to total product shipments (primary and secondary, excluding miscellaneous receipts) for the establishments classified in the industry.

COVERAGE RATIO-Represents the ratio of primary products shipped by the establishments classified in the industry to the total shipments of such products that are shipped by all manufacturing establishments, wherever classified.

DESCRIPTION OF INDUSTRIES

CANNED FRUITS AND VEGETABLES, SIC 2033 — This industry comprises establishments primarily engaged in canning fruits, vegetables, and fruit and vegetable juices; and in manufacturing catsup and similar tomato sauces, preserves, jams, and jellies.

CANNED SPECIALTIES, SIC 2032—This industry comprises establishments primarily engaged in the canning of specialty products, such as baby foods, nationality specialty foods, health foods, and soups, except seafood. Establishments primarily engaged in canning seafoods other than frozen are classified in industry 2091, and those primarily engaged in quick frozen canned specialties in industry 2038.

FROZEN FRUITS AND VEGETABLES, SIC 2037— This industry comprises establishments primarily engaged in freezing and cold packing (freezing) fruits, fruit juices, and vegetables. Establishments primarily engaged in freezing and coldpacking (freezing) food specialties, such as frozen dinners and frozen nationality foods, are classified in industry 2038.

FROZEN SPECIALTIES N.E.C. SIC 2038—This industry comprises establishments primarily engaged in manufacturing frozen food specialties, such as frozen dinners and frozen pizza. Establishments primarily engaged in freezing and cold packing fruits, fruit juices, and vegetables are classified in industry 2037.

For the 1987 Census frozen dough and certain frozen baked goods were transferred to the 2045 and 2053 series.

PICKLES, SAUCES, AND SALAD DRESSING, SIC 2035 — This industry comprises establishments primarily engaged in pickling and brining fruits and vegetables, and in manufacturing salad dressings, vegetable relishes, sauces, and seasonings. Establishments primarily engaged in the manufacture of catsup and similar tomato sauces are classified in industry 2033, and those packing purchased pickles and olives in trade industries.

DEHYDRATED FRUITS, VEGETABLES, AND SOUPS, SIC 2034 — This industry comprises establishments primarily engaged in sun drying or artificially dehydrating fruits and vegetables, or in manufacturing packaged soup mixes from dehydrated ingredients. Establishments primarily engaged in the grading and marketing of farm dried fruits, such as prunes and raisins, are classified in industry 5149.

For the 1987 census certain potato products mixed with other ingredients were included with the 2099 series.

CANNED AND CURED FISH AND OTHER SEAFOODS, SIC 2091 — This industry comprises establishments primarily engaged in cooking and canning fish, shrimp, oysters, clams, crabs, and other seafoods, including soups; and those engaged in smoking, salting, drying, or otherwise curing fish for the trade.

Establishments primarily engaged in shucking and packing fresh oysters in nonsealed containers, or in freezing and packaging fresh fish are classified in industry 2092.

FRESH OR FROZEN PREPARED FISH AND OTHER SEAFOODS, SIC 2092—This industry comprises establishments primarily engaged in preparing fresh and raw or cooked frozen fish and other seafoods and seafood preparations, such as soups, stews, chowders, fishcakes and crabcakes. Prepared fresh fish are eviscerated or processed by removal of heads, fins, or scales. This industry also includes establishments primarily engaged in the shucking and packing of fresh oysters in nonsealed containers.

U.S. CENSUS—HISTORICAL STATISTICS (1987 BASIS) from Table 1a - 1

Year[1]	Companies[2] (no.)	All establishments[3]: Total (no.)	All establishments[3]: With 20 employees or more (no.)	All employees: Number (1,000)	Production workers: Number (1,000)	Production workers: Hours (millions)	Value added by manufacture[4] (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)	Ratios: Specialization[7] (percent)	Ratios: Coverage[8] (percent)
INDUSTRY 2032, CANNED SPECIALTIES[9]											
1987 Census	188	211	86	24.5	19.5	38.1	2 652.4	5 350.1	144.8	78	92
1986 ASM	(NA)	(NA)	(NA)	24.7	19.6	38.6	2 326.3	4 957.6	178.8	(NA)	(NA)
1985 ASM	(NA)	(NA)	(NA)	24.2	19.7	37.0	2 161.2	4 801.7	113.6	(NA)	(NA)
1984 ASM	(NA)	(NA)	(NA)	24.1	19.6	37.9	2 158.9	4 784.0	101.4	(NA)	(NA)
1983 ASM	(NA)	(NA)	(NA)	24.8	20.3	40.0	1 958.4	4 370.1	79.1	(NA)	(NA)
1982 Census	171	198	88	23.4	19.0	37.0	1 769.3	4 140.8	154.3	78	90
1981 ASM	(NA)	(NA)	(NA)	24.1	19.7	38.4	1 538.4	3 651.4	68.4	(NA)	(NA)
1980 ASM	(NA)	(NA)	(NA)	25.0	20.3	40.8	1 414.1	3 573.6	69.5	(NA)	(NA)
1979 ASM	(NA)	(NA)	(NA)	26.3	21.5	42.8	1 308.9	3 361.0	73.1	(NA)	(NA)
1978 ASM	(NA)	(NA)	(NA)	26.6	21.6	44.4	1 243.0	3 162.9	59.2	(NA)	(NA)
1977 Census	172	203	88	26.4	21.5	42.4	1 142.6	2 829.2	46.7	80	89
INDUSTRY 2033, CANNED FRUITS AND VEGETABLES[9]											
1987 Census	471	647	417	65.6	55.9	104.4	5 440.1	11 889.5	257.9	90	84
1986 ASM	(NA)	(NA)	(NA)	67.4	57.4	102.0	5 184.8	11 170.7	240.0	(NA)	(NA)
1985 ASM	(NA)	(NA)	(NA)	67.6	57.3	105.4	4 448.3	10 998.7	264.1	(NA)	(NA)
1984 ASM	(NA)	(NA)	(NA)	69.0	58.5	109.3	4 129.8	10 389.6	242.4	(NA)	(NA)
1983 ASM	(NA)	(NA)	(NA)	65.2	55.6	103.9	3 660.8	9 358.1	267.7	(NA)	(NA)
1982 Census	514	715	451	70.5	60.7	113.6	3 552.7	9 283.4	264.1	89	87
1981 ASM	(NA)	(NA)	(NA)	78.2	68.2	126.7	3 253.2	9 033.4	[10]269.8	(NA)	(NA)
1980 ASM	(NA)	(NA)	(NA)	79.8	68.3	129.0	2 745.0	8 413.4	243.6	(NA)	(NA)
1979 ASM	(NA)	(NA)	(NA)	82.4	71.4	135.9	2 813.6	8 128.3	200.4	(NA)	(NA)
1978 ASM	(NA)	(NA)	(NA)	82.7	73.1	132.7	2 816.9	7 236.9	206.9	(NA)	(NA)
1977 Census	648	900	519	82.6	72.8	135.0	2 546.1	6 666.5	147.1	90	89
INDUSTRY 2034, DEHYDRATED FRUITS, VEGETABLES, AND SOUPS[11]											
1987 Census	109	131	68	10.1	8.4	15.4	932.3	1 819.6	48.2	93	79
1986 ASM	(NA)	(NA)	(NA)	12.2	9.9	17.4	859.7	1 816.9	[10]47.1	(NA)	(NA)
1985 ASM	(NA)	(NA)	(NA)	13.2	11.0	20.2	839.9	1 788.0	[10]61.4	(NA)	(NA)
1984 ASM	(NA)	(NA)	(NA)	11.9	9.7	17.8	665.6	1 686.4	[10]54.9	(NA)	(NA)
1983 ASM	(NA)	(NA)	(NA)	11.0	8.8	17.3	697.0	1 646.9	44.0	(NA)	(NA)
1982 Census	119	151	85	13.6	11.2	19.1	792.3	1 745.1	51.7	94	93
1981 ASM	(NA)	(NA)	(NA)	12.3	9.8	17.9	687.4	1 591.7	54.7	(NA)	(NA)
1980 ASM	(NA)	(NA)	(NA)	13.5	10.8	20.5	701.4	1 518.3	46.6	(NA)	(NA)
1979 ASM	(NA)	(NA)	(NA)	14.0	11.6	21.1	598.2	1 311.5	44.8	(NA)	(NA)
1978 ASM	(NA)	(NA)	(NA)	14.4	11.8	22.0	519.4	1 278.9	54.2	(NA)	(NA)
1977 Census	143	184	87	14.4	11.7	22.1	465.9	1 142.4	52.5	94	88
INDUSTRY 2035, PICKLES, SAUCES, AND SALAD DRESSINGS[9]											
1987 Census	349	382	162	21.5	16.8	32.6	2 544.8	5 050.3	221.0	78	86
1986 ASM	(NA)	(NA)	(NA)	23.1	18.1	34.5	2 473.2	5 353.2	147.0	(NA)	(NA)
1985 ASM	(NA)	(NA)	(NA)	22.9	18.1	34.2	2 115.6	5 123.2	129.5	(NA)	(NA)
1984 ASM	(NA)	(NA)	(NA)	22.6	17.9	34.3	1 894.2	4 896.3	96.4	(NA)	(NA)
1983 ASM	(NA)	(NA)	(NA)	22.2	17.3	33.3	2 039.6	4 698.4	61.8	(NA)	(NA)
1982 Census	325	376	155	22.0	17.4	33.3	1 736.9	4 268.8	67.5	66	83
1981 ASM	(NA)	(NA)	(NA)	23.5	19.4	37.2	1 437.9	3 889.9	63.2	(NA)	(NA)
1980 ASM	(NA)	(NA)	(NA)	24.8	20.7	38.8	1 384.9	3 906.2	68.7	(NA)	(NA)
1979 ASM	(NA)	(NA)	(NA)	25.1	20.8	39.3	1 302.9	3 630.9	73.6	(NA)	(NA)
1978 ASM	(NA)	(NA)	(NA)	25.6	20.6	39.1	1 243.1	3 342.2	[10]67.5	(NA)	(NA)
1977 Census	380	438	168	23.5	18.9	35.7	986.5	2 996.5	52.3	69	86
INDUSTRY 2037, FROZEN FRUITS AND VEGETABLES[9]											
1987 Census	194	258	193	49.8	42.8	78.4	2 986.8	6 606.2	175.2	91	93
1986 ASM	(NA)	(NA)	(NA)	46.4	40.1	70.7	2 648.6	5 885.7	196.4	(NA)	(NA)
1985 ASM	(NA)	(NA)	(NA)	46.1	40.2	73.3	2 355.1	5 602.5	213.5	(NA)	(NA)
1984 ASM	(NA)	(NA)	(NA)	46.9	41.2	76.4	2 555.7	5 968.9	169.8	(NA)	(NA)
1983 ASM	(NA)	(NA)	(NA)	47.3	40.9	74.4	2 393.4	5 560.8	176.3	(NA)	(NA)
1982 Census	195	264	199	47.7	41.5	77.1	2 408.6	5 374.6	235.7	93	93
1981 ASM	(NA)	(NA)	(NA)	48.8	42.7	84.6	1 989.9	4 780.2	132.3	(NA)	(NA)
1980 ASM	(NA)	(NA)	(NA)	48.0	41.2	82.0	1 689.2	4 180.9	145.8	(NA)	(NA)
1979 ASM	(NA)	(NA)	(NA)	51.9	45.7	83.5	1 531.6	3 959.1	119.2	(NA)	(NA)
1978 ASM	(NA)	(NA)	(NA)	46.4	41.2	81.4	1 519.0	3 961.4	130.5	(NA)	(NA)
1977 Census	187	260	193	46.8	41.5	78.5	1 322.5	3 297.5	87.7	89	89
INDUSTRY 2038, FROZEN SPECIALTIES, N.E.C.[9] [12]											
1987 Census	247	285	181	37.5	30.1	58.6	2 803.0	5 617.0	178.1	93	94

See footnotes at end of Table 1a-2

U.S. CENSUS—HISTORICAL STATISTICS (1987 BASIS) from Table 1a - 1—Cont.

Year	Companies (no.)	All establishments: Total (no.)	All establishments: With 20 employees or more (no.)	All employees: Number (1,000)	Production workers: Number (1,000)	Production workers: Hours (millions)	Value added by manufacture[4] (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)	Ratios: Specialization (percent)	Ratios: Coverage (percent)
INDUSTRY 2091, CANNED AND CURED FISH AND SEAFOODS[9]											
1987 Census	154	175	81	6.7	5.4	9.2	283.3	767.0	14.4	88	76
1986 ASM[10]	(NA)	(NA)	(NA)	4.4	3.7	6.5	186.1	539.7	[11]14.8	(NA)	(NA)
1985 ASM[10]	(NA)	(NA)	(NA)	5.8	5.0	9.1	227.4	697.0	[11]11.6	(NA)	(NA)
1984 ASM	(NA)	(NA)	(NA)	11.4	9.8	20.9	479.9	1 506.9	11.0	(NA)	(NA)
1983 ASM	(NA)	(NA)	(NA)	12.6	10.7	19.5	620.7	1 836.8	20.6	(NA)	(NA)
1982 Census	170	204	107	13.9	12.1	21.1	613.4	1 849.1	20.5	(D)	91
1981 ASM	(NA)	(NA)	(NA)	15.3	13.6	24.2	752.2	2 587.7	[11]37.6	(NA)	(NA)
1980 ASM	(NA)	(NA)	(NA)	15.6	14.1	25.3	425.5	1 958.8	26.3	(NA)	(NA)
1979 ASM	(NA)	(NA)	(NA)	16.1	14.3	25.1	479.4	1 800.3	[11]35.8	(NA)	(NA)
1978 ASM	(NA)	(NA)	(NA)	16.6	14.7	27.7	393.8	1 643.5	36.4	(NA)	(NA)
1977 Census	215	255	118	16.0	13.8	25.0	441.0	1 440.6	28.1	81	96
INDUSTRY 2092, FRESH OR FROZEN PREPARED FISH AND SEAFOODS[9]											
1987 Census	576	644	358	38.3	32.5	58.2	1 537.1	5 752.0	105.0	96	97
1986 ASM	(NA)	(NA)	(NA)	36.6	30.6	53.3	1 252.8	4 490.2	58.4	(NA)	(NA)
1985 ASM	(NA)	(NA)	(NA)	36.0	30.6	53.7	1 070.1	3 946.9	58.9	(NA)	(NA)
1984 ASM	(NA)	(NA)	(NA)	34.1	28.8	49.4	962.6	3 773.9	56.1	(NA)	(NA)
1983 ASM	(NA)	(NA)	(NA)	34.3	29.5	51.5	936.5	3 789.5	42.2	(NA)	(NA)
1982 Census	697	783	433	37.5	32.5	55.5	966.7	4 009.1	62.2	97	97
1981 ASM[10]	(NA)	(NA)	(NA)	36.7	31.9	55.2	1 021.0	3 409.3	[11]48.9	(NA)	(NA)
1980 ASM[10]	(NA)	(NA)	(NA)	35.6	30.7	51.8	962.1	3 370.2	(S)	(NA)	(NA)
1979 ASM	(NA)	(NA)	(NA)	36.1	31.1	54.4	954.8	3 355.9	58.3	(NA)	(NA)
1978 ASM	(NA)	(NA)	(NA)	35.5	30.9	52.1	872.8	3 041.6	46.5	(NA)	(NA)
1977 Census	908	990	406	34.3	29.6	49.7	700.9	2 664.9	56.8	97	97

HISTORICAL STATISTICS (1972 BASIS) from Table 1a - 2

Year	Companies (no.)	All establishments: Total (no.)	All establishments: With 20 employees or more (no.)	All employees: Number (1,000)	Production workers: Number (1,000)	Production workers: Hours (millions)	Value added by manufacture[4] (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)	Ratios: Specialization (percent)	Ratios: Coverage (percent)
INDUSTRY 2038, FROZEN SPECIALTIES[9]											
1987 Census	377	435	282	51.4	40.3	78.2	3 710.6	7 340.6	220.3	(NA)	(NA)
1986 ASM	(NA)	(NA)	(NA)	46.8	37.1	71.0	3 342.9	6 701.2	205.8	(NA)	(NA)
1985 ASM	(NA)	(NA)	(NA)	47.0	36.8	69.9	2 985.1	6 507.6	224.4	(NA)	(NA)
1984 ASM	(NA)	(NA)	(NA)	44.5	35.7	71.3	2 717.9	6 332.7	206.0	(NA)	(NA)
1983 ASM	(NA)	(NA)	(NA)	43.9	34.4	68.0	2 433.0	5 678.7	157.8	(NA)	(NA)
1982 Census	318	369	251	42.4	32.6	63.1	2 093.5	5 061.3	160.5	94	92
1981 ASM	(NA)	(NA)	(NA)	40.7	31.3	62.4	1 691.2	4 573.0	103.3	(NA)	(NA)
1980 ASM	(NA)	(NA)	(NA)	42.8	34.1	66.2	1 610.4	4 461.9	115.8	(NA)	(NA)
1979 ASM	(NA)	(NA)	(NA)	44.2	35.1	68.5	1 545.3	4 297.5	151.7	(NA)	(NA)
1978 ASM	(NA)	(NA)	(NA)	43.4	34.9	68.6	1 430.1	3 996.3	100.6	(NA)	(NA)
1977 Census	330	394	208	41.0	32.5	63.4	1 217.7	3 404.4	84.1	93	93

[1] In annual survey of manufacturers (ASM) years, data are estimates based on a representative sample of establishments canvassed annually and may differ from results of a complete canvass of all establishments. ASM publication shows percentage standard errors.

[2] For the Census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

[3] Includes establishments with payroll at any time during year.

[4] Beginning with the 1982 Census of Manufacturers, all respondents were requested to report their inventories at (the lower of) cost or market prior to adjustment to LIFO cost. This is a change from prior Censuses and annual surveys of manufacturers in which respondents were permitted to value their inventories using any generally accepted accounting method. Consequently, inventories and value added by manufacture are not comparable to prior-year data.

[7] Represents ratio of primary product shipments to total product shipments (primary and secondary, excluding miscellaneous receipts) for establishments classified in the industry.

[8] Represents ratio of primary products shipped by establishments classified in industry to total shipments of such products by all manufacturing establishments, wherever classified.

[9] Except for industry 2034, data in value of shipments column represent value of production rather than value of shipments. Consequently, formula for computing value added by manufacture was modified to exclude any change between finished products between beginning- and end-of-year inventories.

[10] Estimates for new capital expenditures have associated standard error of 15 percent or more and may be of limited reliability. Estimates for other data items are of acceptable reliability.

[11] For 1987, dried and dehydrated potatoes packaged with other ingredients were moved to industry 2099.

[12] Industry definition is new for 1987 Census of Manufacturers. An explanation of the Standard Industrial Classification revision appears in the text under "DESCRIPTION OF INDUSTRIES" preceding census tables.

U.S. CENSUS—PRODUCTION BY ALL PRODUCERS from Table 6a

Product	1987		1982	
	Total production[1]		Total production[1]	
	Quantity[2]	Value (million dollars)	Quantity[2]	Value (million dollars)
CANNED SPECIALTIES (2032)				
Total	**(X)**	**4 444.1**	**(X)**	**3 484.6**
Canned baby foods, except cereal and biscuits	(X)	652.0	(X)	596.4
Fruits ... mil lb.	(D)	(D)	(D)	(D)
Meats ... do.	(D)	(D)	(D)	(D)
Vegetables ... do.	(D)	(D)	150.1	66.5
Desserts (excluding 100 percent fruit products) ... do.	(D)	(D)	151.4	65.6
Juices	(X)	(D)	(X)	115.8
Other canned baby foods, except cereal and biscuits, but including vegetable and vegetable-meat soups, etc. ... mil lb.	140.9	110.0	225.6	102.8
Canned baby foods, n.s.k.	(X)	-	(X)	-
Canned soups, except frozen or seafood:				
Canned soups, except frozen or seafood	(X)	(3)	(X)	(3)
Canned dry beans	(X)	895.3	(X)	735.3
Beans with pork, including baked:				
7.1 oz to 13 oz (6 oz short, 8 oz tall, No. 1 picnic, etc.) ... 1,000 cases/48	14 244.3	118.2	1 700.0	21.1
13.1 oz to 18 oz (No. 300, No. 303, etc.) ... 1,000 cases/24	20 106.6	225.0	25 600.0	195.2
18.1 oz to 22 oz (No. 2, etc.) ... do.	2 413.8	26.4	3 000.0	32.3
22.1 oz to 27 oz (jumbo, etc.) ... do.	401.3	4.7	200.0	2.3
27.1 oz to 40 oz (No. 2-1/2 quart glass, etc.) ... do.	3 953.9	56.9	3 700.0	54.4
Other sizes	(X)	65.7	(X)	77.1
Beans with sauce, vegetarian style, including baked:				
13.1 oz to 18 oz (No. 300, No. 303, etc.) ... 1,000 cases/24	3 963.8	34.9	3 800.0	31.4
Other sizes	(X)	45.1	(X)	39.2
Beans, all other dry varieties, including chili con carne containing less than 20 percent meat:				
13.1 oz to 18 oz (No. 300, No. 303, etc.) ... 1,000 cases/24	22 199.7	186.3	19 300.6	160.8
Other sizes	(X)	128.1	(X)	115.5
Canned dry beans, n.s.k.	(X)	3.9	(X)	6.0
Other canned specialties and canned nationality foods	(X)	[3]2 751.8	(X)	[3]2 035.0
Spaghetti with meat	(X)	(D)	(X)	(D)
Spaghetti without meat	(X)	(D)	(X)	67.4
Chinese foods (bean sprouts, chop suey, etc.)	(X)	(D)	(X)	(D)
Mincemeat ... mil lb.	8.0	8.5	7.4	8.5
Spanish foods (Mexican rice, tortillas, enchiladas, etc.)	(X)	116.7	(X)	114.4
Ravioli	(X)	90.0	(X)	112.1
Macaroni with or without meat	(X)	(D)	(X)	(D)
Canned gravy	(X)	(D)		
Other canned specialties, including canned puddings (other than canned meats)	(X)	309.8	(X)	326.0
Other canned specialties and nationality foods, n.s.k.	(X)	2.4	(X)	7.8
Canned specialties, n.s.k.	(X)	145.0	(X)	117.9
Canned specialties, n.s.k., typically for establishments with 10 employees or more (see note)	(X)	58.5	(X)	69.6
Canned specialties, n.s.k., typically for establishments with less than 10 employees (see note)	(X)	86.5	(X)	48.3
CANNED FRUITS AND VEGETABLES (2033)				
Total	**(X)**	**12 244.4**	**(X)**	**9 255.3**
Canned fruits (except baby foods)	(X)	2 084.5	[4](X)	1 590.6
Apples ... 1,000 cases (basis 24/2 1/2 s)	2 953.3	40.3	(NA)	40.9
Applesauce ... do.	19 751.1	238.8	(NA)	209.5
Apricots ... do.	1 321.4	26.3	(NA)	37.7
Berries, except cranberries ... do.	(D)	(D)	(NA)	(D)
Cherries, red pitted ... do.	562.7	10.1	(NA)	21.1
Cherries, sweet ... do.	1 468.5	28.1	(NA)	15.8
Cranberries and cranberry sauce ... do.	9 937.6	106.5	(NA)	57.0
Grapefruit segments ... do.	(D)	(D)	(NA)	(D)
Fruit cocktail ... do.	15 466.2	277.6	(NA)	204.7
Fruits for salads, including mixed fruits other than fruit cocktail ... do.	3 682.7	79.7	(NA)	28.9
Olives, ripe and green ripe, including stuffed (drained net weight) ... do.	11 326.0	260.2	(NA)	189.6

See footnotes at end of table.

Product	1987		1982	
	Total production[1]		Total production[1]	
	Quantity[2]	Value (million dollars)	Quantity[2]	Value (million dollars)
CANNED FRUITS AND VEGETABLES—*Continued*				
Peaches, including spiced .... do..	23 413.9	368.5	(NA)	274.8
Pears, including spiced .... do..	11 756.0	185.1	(NA)	134.1
Pineapple (all styles) .... do..	(D)	(D)	(NA)	125.9
Canned fruit pie mixes:				
Apple .... 1,000 cases (basis 24/ 2 1/2 s)..	1 344.8	28.4	(NA)	34.9
Cherry .... do..	2 731.2	62.4	(NA)	81.0
Peach .... do..	219.7	6.0	(NA)	10.3
Other fruit pie mixes .... do..	1 480.5	40.2	(NA)	51.8
Other canned fruit .... do..	2 336.5	45.5	(NA)	26.1
Canned fruits (except baby foods), n.s.k.	(X)	15.1	(X)	13.0
Canned vegetables (except hominy and mushrooms)	(X)	2 297.8	[4](X)	2 047.2
Beans, green lima .... 1,000 cases (basis 24/ 303 s)..	3 613.7	28.9	(NA)	18.3
Beans, green and wax (including blue lake) .... do..	49 727.9	358.2	(NA)	344.3
Carrots .... do..	4 652.5	35.0	(NA)	36.1
Vegetable combinations (mixed vegetables, succotash, carrots and peas, vegetable salad, etc.) .... do..	9 769.1	85.1	(NA)	77.2
Green peas .... do..	26 807.9	238.5	(NA)	187.4
Other peas (blackeye, crowder, purple hull, field, etc.) .... do..	1 576.6	14.0	(NA)	12.6
Pumpkin and squash, including pie mix .... do..	2 535.2	36.1	(NA)	32.2
Spinach .... do..	5 162.4	43.5	(NA)	46.2
Other leafy greens (turnip, kale, mustard, etc.) .... do..	(D)	(D)	(NA)	(D)
Pimientos .... do..	(D)	(D)	(NA)	(D)
Sweet potatoes, including pie mix .... do..	6 353.9	65.5	(NA)	70.1
White potatoes .... do..	6 141.8	46.5	(NA)	52.8
Sauerkraut .... do..	6 552.7	50.3	(NA)	38.0
Asparagus .... do..	3 983.2	80.2	(NA)	48.2
Beets .... do..	10 050.3	71.8	(NA)	69.2
Sweet corn, whole kernel .... do..	56 287.4	437.5	(NA)	372.2
Sweet corn, cream style .... do..	12 744.0	101.2	(NA)	98.3
Tomatoes, including stewed .... do..	45 490.3	427.6	(NA)	356.3
Other canned vegetables .... do..	8 299.0	114.1	(NA)	123.7
Canned vegetables (except hominy and mushrooms), n.s.k.	(X)	32.2	(X)	22.2
Canned hominy and mushrooms	(X)	165.5	[4](X)	139.0
Hominy .... 1,000 cases (basis 24/ 303 s)..	6 812.0	50.9	(NA)	10.3
Mushrooms .... do..	4 305.8	114.3	(NA)	128.3
Canned hominy and mushrooms, n.s.k.	(X)	.4	(X)	.5
Canned vegetable juices	(X)	310.3	(X)	270.3
Tomato juice, including combinations containing 70 percent tomato juice or more .... mil gal..	97.8	296.5	(NA)	265.8
Other vegetable juices .... do..	2.0	7.4	(NA)	3.8
Canned vegetable juices, n.s.k.	(X)	6.5	(X)	.7
Catsup and other tomato sauces, pastes, etc.	(X)	3 024.4	(X)	2 174.4
Tomato sauces, except catsup, chili, barbecue sauce, and spaghetti sauce (excluding pulp, puree, or paste):				
7.1 oz to 10 oz (8 oz tall, etc.) .... 1,000 cases/ 72..	15 025.3	215.1	14 970.9	[5]193.4
Other sizes .... 1,000 cases (basis 12/ 12 glass)..	63 660.3	326.0	(NA)	[6]810.2
Catsup:				
14 oz to 32 oz .... 1,000 cases/ 24..	31 062.9	482.3	35 268.0	321.8
All other sizes, including individual serving sizes .... 1,000 cases (basis 12/ 12 glass)..	44 951.8	405.3	(NA)	247.8
Spaghetti, pizza, and marinara sauces, with or without other added ingredients, including those with less than 20 percent meat .... do..	78 909.4	552.9	([6])	([6])
Chili sauce .... do..	13 286.3	88.6	(NA)	44.5
Barbecue sauce .... do..	26 531.6	270.4	(NA)	149.5
Tomato paste:				
4.1 oz to 7 oz (6 oz, etc.) .... 1,000 cases/ 48..	(D)	(D)	7 423.1	81.1

See footnotes at end of table.

U.S. CENSUS—PRODUCTION BY ALL PRODUCERS from Table 6a—Cont.

Product	1987		1982	
	Total production[1]		Total production[1]	
	Quantity[2]	Value (million dollars)	Quantity[2]	Value (million dollars)
CANNED FRUITS AND VEGETABLES—*Continued*				
100.1 oz to 115 oz (No. 10) .... 1,000 cases/6..	(D)	(D)	1 774.9	28.9
All other sizes, including bulk (24 percent NTSS equivalent) .... mil lb..	1 268.4	411.8	*914.3	382.6
Tomato pulp and puree .... 1,000 cases (basis 24/303 s)..	15 595.6	113.3	(NA)	120.9
Catsup and other tomato sauces, pastes, etc., n.s.k.	(X)	11.6	(X)	14.1
Jams, jellies, and preserves	(X)	664.1	(X)	603.0
Jams and preserves, pure:				
Strawberry .... mil lb..	223.5	156.1	(NA)	136.5
Other .... do..	231.4	156.2	(NA)	167.4
Jellies, pure:				
Grape .... mil lb..	180.3	119.7	(NA)	138.3
Other .... do..	84.6	60.3	(NA)	74.1
Imitation jellies, jams, and preserves .... do..	58.2	50.4	(NA)	(D)
Marmalades .... do..	18.9	15.1	(NA)	(D)
Fruit butter .... do..	36.7	34.7	(NA)	12.1
Maraschino cherries, excluding glace and candied .... mil gal..	10.6	64.6	(S)	31.4
Jams, jellies, and preserves, n.s.k.	(X)	6.8	(X)	10.8
Canned fruit juices, nectars, and concentrates	(X)	2 343.9	(X)	1 409.9
Juices and nectars, single strength:				
Apple .... mil gal..	151.4	355.0	(NA)	317.4
Orange .... do..	374.5	1 196.6	(NA)	520.1
Grapefruit .... do..	67.1	224.7	(NA)	175.7
Prune .... do..	6.8	24.5	(NA)	23.4
Other whole fruit juices and mixtures of whole fruit juices .... do..	118.0	337.7	(NA)	289.8
Nectars .... do..	3.4	10.0	(NA)	13.1
Fruit juices, concentrated, hot pack .... mil gal sngl st equiv..	48.3	177.1	9.9	40.4
Canned fruit juices, nectars, and concentrates, n.s.k.	(X)	18.3	(X)	30.0
Fresh fruit juices and nectars, single strength .... mil gal..	(X)	951.4	(NA)	652.2
Juices and nectars, single strength:				
Orange .... mil gal..	223.3	489.2	(NA)	652.2
Other .... do..	122.2	377.7		
Concentrated fruit juice, except for fountain use .... mil gal sngl st equiv..	29.3	84.5		
Fresh fruit juices and nectars, single strength, n.s.k.	(X)	-		
Canned fruits and vegetables, n.s.k.	(X)	402.3	(X)	368.7
Canned fruits and vegetables, preserves, jams, jellies, and juices, n.s.k., typically for establishments with 5 employees or more (see note)	(X)	272.6	(X)	262.7
Canned fruits and vegetables, preserves, jams, jellies, and juices, n.s.k., typically for establishments with less than 5 employees (see note)	(X)	129.8	(NA)	106.0
PICKLES, SAUCES, AND SALAD DRESSINGS (2035)				
Total	**(X)**	**4 479.3**	**(X)**	**3 252.7**
Pickles and other pickled products	(X)	1 000.2	(X)	694.5
Finished pickles and other pickled products:				
Cucumber:				
Dill .... mil gal..	106.5	392.8	85.8	285.2
Sour .... do..	12.2	45.2	*6.5	26.8
Sweet .... do..	113.7	164.4	*27.4	108.7
Refrigerated pickles, including overnight, half sour, artificially acidified, etc. .... do..	27.7	87.8	20.3	69.7
Horseradish (excluding sauce) .... do..	2.0	12.7	*34.7	131.1
Other finished pickles and pickled products (including mixes, relishes, peppers, onions, mushrooms, etc.) .... do..	54.1	216.0		
Unfinished pickled products:				
Unfinished pickles (salt stock) .... mil gal..	13.9	12.8	21.0	22.8
Brined cherries .... do..	3.2	21.6	(S)	18.4
Other bulk pickled products, such as mushrooms, sauerkraut, etc. .... do..	14.1	35.6	*5.6	17.9
Pickles and other pickled products, n.s.k.	(X)	11.4	(X)	13.9

See footnotes at end of table.

U.S. CENSUS—PRODUCTION BY ALL PRODUCERS from Table 6a—Cont.

Product	1987		1982	
	Total production[1]		Total production[1]	
	Quantity[2]	Value (million dollars)	Quantity[2]	Value (million dollars)
PICKLES, SAUCES, AND SALAD DRESSINGS—*Continued*				
Prepared sauces (except tomato)	(X)	903.9	(X)	540.0
Prepared mustard ... mil gal	91.2	258.5	*50.6	138.7
Other sauces (worcestershire, soy, horseradish, meat, vegetable, seafood, etc.) ... do	156.7	644.3	**99.9	401.0
Prepared sauces (except tomato), n.s.k.	(X)	1.1	(X)	.3
Mayonnaise, salad dressings, and sandwich spreads	(X)	2 271.5	(X)	1 815.4
Spoon type dressing:				
Salad dressing ... mil gal	107.0	585.0	91.4	525.9
Mayonnaise ... do	117.1	508.1	177.2	687.3
Other spoon type dressing, including sandwich spreads, refrigerated dressings, and all other semisolid type dressing ... do	132.3	679.0	*26.0	126.3
Pourable dressing (including reduced calorie, cheese, vinegar and oil, etc.) ... do	97.4	493.1	86.9	464.8
Mayonnaise, salad dressings, and sandwich spreads, n.s.k.	(X)	6.3	(X)	11.2
Pickles, sauces, and salad dressings, n.s.k.	(X)	303.7	(X)	202.7
Pickles, sauces, and salad dressings, n.s.k., typically for establishments with 10 employees or more (see note)	(X)	132.4	(X)	119.5
Pickles, sauces, and salad dressings, n.s.k., typically for establishments with less than 10 employees (see note)	(X)	171.3	(X)	83.2

Product	1987		1982	
	Product shipments[1]		Product shipments[1]	
	Quantity[2]	Value (million dollars)	Quantity[2]	Value (million dollars)
DEHYDRATED FRUITS, VEGETABLES, AND SOUPS (2034)				
Total	**(X)**	**[6]2 076.9**	**(X)**	**[6]1 672.0**
Soup mixes, dried:				
Soup mixes (including oriental), dried and dehydrated, and freeze-dried ... mil lb	214.1	461.2	(S)	332.8
Dried and dehydrated fruits and vegetables (including freeze-dried) except soup mixes	(X)	[6]1 542.1	(X)	[6]1 247.3
Fruits, dried and dehydrated:				
Raisins ... mil lb	349.9	333.7	335.1	342.9
Prunes ... do	313.4	265.2	253.0	178.8
Dates ... do	(D)	(D)	7.3	14.7
Apples ... do	46.4	63.3	25.3	27.4
Other dried and dehydrated fruits and fruit peels, including fruit flour, meal, and powder ... do	136.9	232.4	42.5	62.1
Dried and dehydrated potatoes (except potato flour), not packaged with other ingredients:				
Consumer sizes (1 lb or less) ... mil lb	(D)	(D)	(D)	(D)
Commercial sizes (more than 1 lb) ... do	(D)	(D)	(D)	(D)
Vegetables, dried and dehydrated (except potatoes):				
Onions ... mil lb	134.0	133.8	160.5	177.6
Vegetable flour, including potato flour ... do	(D)	(D)	-	-
Other dried and dehydrated vegetables ... do	138.5	330.0	112.2	162.0
Dried and dehydrated fruits and vegetables (including freeze-dried) except soup mixes, n.s.k.	(X)	-	(X)	14.5
Dehydrated fruits, vegetables, and soups, n.s.k.	(X)	73.6	(X)	91.8
Dehydrated fruits, vegetables, and soups, n.s.k., typically for establishments with 10 employees or more (see note)	(X)	11.3	(X)	64.6
Dehydrated fruits, vegetables, and soups, n.s.k., typically for establishments with less than 10 employees (see note)	(X)	62.3	(X)	27.2

See footnotes at end of table.

U.S. CENSUS—PRODUCTION BY ALL PRODUCERS from Table 6a—Cont.

Product	1987		1982	
	Total production[1]		Total production[1]	
	Quantity[2]	Value (million dollars)	Quantity[2]	Value (million dollars)
FROZEN FRUITS AND VEGETABLES (2037)				
Total	(X)	6 253.7	(X)	5 062.0
Frozen fruits, juices, ades, drinks, and cocktails	(X)	2 481.6	(X)	1 860.4
Frozen fruits:				
Strawberries mil lb	228.5	126.0	313.8	94.9
Red sour cherries do	86.9	42.9	46.7	23.5
Apples and applesauce do	98.5	53.7	[*]117.8	35.2
Berries, including blueberries, raspberries, blackberries, etc. do	64.9	60.0	59.2	45.4
Other frozen fruits do	187.6	109.0	167.5	99.3
Frozen fruit and berry juices, concentrated:				
Orange juice:				
Consumer and institutional sizes:				
6 oz or less 1,000 cases/48	11 966.3	182.2	9 400.0	123.8
6.1 oz to 12 oz 1,000 cases/24	21 287.5	430.6	22 200.0	332.7
12.1 oz to 24 oz do	8 032.2	164.1	6 500.0	137.0
24.1 oz or more 1,000 cases	6 733.5	167.5	5 100.0	109.6
Bulk mil lb solid	362.5	503.8	254.9	346.1
Grape juice:				
4.1 oz to 7 oz 1,000 cases/48	1 832.4	18.4	600.0	6.4
10.1 oz to 13 oz 1,000 cases/24	2 499.0	32.1	2 500.0	39.3
Other sizes mil lb solid	11.2	11.1	(D)	(D)
Grapefruit juice do	68.6	120.1	52.3	55.6
Other frozen fruit and berry juice, concentrated do	183.4	255.1	146.0	206.5
Frozen fruit ades, drinks, and cocktails, concentrated:				
Lemonade:				
4.1 oz to 7 oz 1,000 cases/48	1 641.4	14.8	1 500.0	10.3
10.1 oz to 13 oz 1,000 cases/24	7 878.7	51.8	3 800.0	32.7
Other sizes mil lb solid	11.3	11.7	.6	5.5
All other ades, drinks, and cocktails do	114.9	91.2	(D)	(D)
Citrus pulp 1,000 s tons	310.3	35.2	536.5	56.0
Frozen fruits, juices, ades, drinks, and cocktails, n.s.k.	(X)	.1	(X)	5.1
Frozen vegetables	(X)	3 645.3	(X)	3 089.7
Asparagus mil lb	21.1	30.7	15.3	26.6
Beans; green, regular, and french cut do	261.9	111.1	296.2	127.0
Lima beans; baby, emerald, and fordhook do	110.4	52.6	[**]124.5	63.3
Broccoli do	330.0	174.6	[*]356.9	193.8
Brussels sprouts do	52.8	30.2	58.5	36.5
Carrots do	272.0	78.0	186.6	48.9
Cauliflower do	126.7	73.4	103.2	67.2
Green peas do	375.2	153.5	390.8	160.0
Spinach do	175.3	64.8	173.1	55.7
Vegetable combinations (succotash, peas and carrots, mixed vegetables, vegetables with pasta, etc.) do	612.8	277.5	263.7	168.1
French-fried potatoes do	4 735.1	1 465.6	3 676.4	1 167.8
Other potato products (patties, puffs, etc.) do	905.1	387.8	717.8	288.8
Sweet cut corn, yellow do	457.7	192.2	474.4	199.3
Sweet cob corn, yellow do	249.6	106.3	317.3	117.6
Southern greens; collards, kale, mustard, and turnip do	76.8	26.4	111.2	35.5
Other frozen vegetables do	725.9	411.5	[*]604.2	327.3
Frozen vegetables, n.s.k.	(X)	9.2	(X)	6.4
Frozen fruits and vegetables, n.s.k.	(X)	126.8	(X)	111.9
Frozen fruits and vegetables, n.s.k., typically for establishments with 20 employees or more (see note)	(X)	81.8	(X)	87.5
Frozen fruits and vegetables, n.s.k., typically for establishments with less than 20 employees (see note)	(X)	45.0	(X)	24.4

See footnotes at end of table.

U.S. CENSUS—PRODUCTION BY ALL PRODUCERS from Table 6a—Cont.

Product	1987		1982	
	Total production[1]		Total production[1]	
	Quantity[2]	Value (million dollars)	Quantity[2]	Value (million dollars)
FROZEN SPECIALTIES, N.E.C. (2038)				
Total	**(X)**	**[7]5 244.5**	**(X)**	**[7]3 124.7**
Frozen dinners; beef, pork, and poultry pies; and nationality foods	(X)	4 095.9	(X)	2 356.6
Frozen dinners ... mil lb.	606.3	810.9	572.1	475.9
Frozen entrees and side dishes (including macaroni and macaroni-type products, but excluding rice dishes and nationality foods) ... do.	1 146.2	1 339.1	(S)	684.5
Frozen rice dishes ... do.	([8])	([8])		
Frozen beef and pork pies ... do.	68.3	56.7	79.4	41.7
Frozen poultry pies ... do.	[8]152.7	[8]117.0	241.1	119.4
Frozen nationality foods:				
Pizza ... mil lb.	755.5	1 039.4	714.7	725.5
Chinese ... do.	49.7	64.1	24.0	26.9
Mexican ... do.	283.4	315.8	275.5	180.4
Italian, excluding pizza ... do.	217.2	286.8	80.6	64.0
All other frozen nationality foods ... do.	70.4	55.4	**29.0	26.4
Frozen dinners, beef, pork, poultry pies, and nationality foods, n.s.k.	(X)	-	(X)	11.8
Other frozen specialties, n.e.c.	(X)	972.4	(X)	624.3
Whipped topping (dairy product substitute, dairy or nondairy base) ... mil lb.	341.1	270.3	226.4	190.6
Other frozen dairy product substitutes, except mellorine and similar products	(X)	7.1	(X)	77.5
Frozen waffles, pancakes, and french toast ... mil lb.	200.2	187.3	([1])	([1])
Other frozen specialties, except seafood, including soups, etc. ... do.	420.1	507.7	*562.8	355.8
Other frozen specialties, n.s.k.	(X)	-	(X)	.4
Frozen specialties, n.e.c., n.s.k.	(X)	176.2	(X)	143.8
Frozen specialties n.e.c., n.s.k., typically for establishments with 20 employees or more (see note)	(X)	110.7	(X)	79.9
Frozen specialties n.e.c., n.s.k., typically for establishments with less than 20 employees (see note)	(X)	65.6	(X)	63.9
CANNED AND CURED FISH AND OTHER SEAFOODS (2091)				
Total	**(X)**	**862.2**	**(X)**	**1 267.1**
Canned and cured fish and other seafoods, including soup (except frozen seafoods and soup):				
Canned fish and other seafood (except soups, stews, and chowders):				
Tuna ... mil lb.	(D)	(D)	272.1	521.6
Salmon ... do.	96.1	207.8	(S)	190.1
Sardines ... do.	(D)	(D)	26.3	35.5
Clams ... do.	79.4	80.4	30.4	41.6
Shrimp ... do.	10.9	21.4	18.1	49.1
Other canned fish and other seafood (including gefilte fish, fish roe, fishcakes, surimi-based products, etc.)	(X)	62.1	(S)	69.8
Canned seafood soups, stews, and chowders (clam chowder, oyster stew, turtle soup, etc.) ... mil lb.	221.4	124.5	151.1	90.4
Cured seafood:				
Smoked salmon ... mil lb.	7.8	56.7	9.0	50.4
Other smoked fish (herring, whitefish, chub, cisco, etc.)	(X)	54.4	(S)	43.1
Salted and pickled fish (including sun-dried) ... mil lb.	19.0	33.5	19.0	30.0
Other cured seafood, except fish	(X)	(D)	(S)	10.4
Canned and cured fish and other seafoods, n.s.k., typically for establishments with 20 employees or more (see note)	(X)	29.4	(X)	111.9
Canned and cured fish and other seafoods, n.s.k., typically for establishments with less than 20 employees (see note)	(X)	78.4	(X)	23.1

See footnotes at end of table.

U.S. CENSUS—PRODUCTION BY ALL PRODUCERS from Table 6a—Cont.

Product	1987		1982	
	Total production[1]		Total production[1]	
	Quantity[2]	Value (million dollars)	Quantity[2]	Value (million dollars)
FRESH OR FROZEN PREPARED FISH AND OTHER SEAFOODS (2092)				
Total	**(X)**	**5 072.7**	**(X)**	**3 714.0**
Prepared fresh fish and other seafood	(X)	790.0	(X)	578.3
Prepared fresh fish mil lb	176.7	383.7	*137.3	202.0
Prepared fresh shellfish:				
Crabmeat:				
Blue and rock	(X)	56.5	(X)	51.3
Other	(X)	17.3	(X)	15.7
Shrimp mil lb	18.6	73.4	*9.6	40.6
Oysters	(X)	63.6	(X)	109.2
Clams mil lb	28.0	37.6	25.8	42.2
Other prepared fresh shellfish (except crabmeat, shrimp, oysters, clams, surimi, and surimi-based products) do	20.4	60.0	**5.1	13.1
Surimi do	(D)	(D)	(X)	(X)
Surimi-based products do	(D)	(D)	(X)	(X)
Other prepared fresh seafood (except fish and shellfish)	(X)	59.3	(S)	12.5
Prepared fresh fish and seafood, n.s.k.	(X)	14.4	(X)	91.8
Frozen fish, excluding surimi	(X)	2 035.8	(X)	1 033.9
Ground fish (cod, cusk, haddock, hake, Atlantic Ocean perch, Atlantic pollock, and whiting):				
Fillets and steaks:				
Breaded or battered mil lb	207.7	370.2	(S)	142.2
Plain do	29.6	61.3		
Sticks and portions:				
Breaded or battered mil lb	375.7	505.9	**267.0	303.1
Plain do	18.5	35.9		
Other do	34.1	49.2	(D)	(D)
Flounder:				
Fillets and steaks mil lb	16.8	38.2	*14.4	25.8
Other do	10.7	27.8	8.0	12.2
All other:				
Fillets and steaks:				
Breaded or battered mil lb	49.3	106.1	93.6	133.1
Plain do	108.0	249.4		
Other do	276.3	553.7	(D)	(D)
Frozen fish, excluding shellfish and surimi, n.s.k.	(X)	38.1	(X)	167.1
Frozen shellfish, excluding surimi	(X)	1 321.1	(X)	1 304.2
Shrimp:				
Headless, raw mil lb	35.4	152.6	**53.7	237.8
Peeled, raw do	44.2	187.5	*28.9	128.9
Peeled, cooked do	35.9	174.2	33.1	129.8
Breaded do	101.6	385.8	74.5	259.5
Other (100 percent shrimp products)	(X)	56.4	(X)	7.3
Lobster tails	(X)	20.4	(X)	8.0
Crabs:				
Blue and rock meat	(X)	26.5	(X)	9.9
Dungeness meat	(X)	12.4	(X)	21.8
King:				
Cooked meat mil lb	(S)	15.2	8.4	32.3
Sections do	12.7	50.5	24.4	100.6
Other crabs (snow, stone, etc.) do	42.3	116.3	*31.8	80.9
Other frozen shellfish, including oysters, clams, and parts of crabs and lobsters not listed above	(X)	123.1	(X)	134.6
Frozen packaged shellfish, excluding surimi, n.s.k.	(X)	-	(X)	153.0
Other frozen seafoods	(X)	196.5	(X)	93.3
Surimi mil lb	18.2	25.1	**61.2	93.3
Surimi-based products do	9.9	18.9		
Other frozen seafoods (soups, stews, chowders, dinners, pies, fishcakes, crabcakes, shrimpcakes, etc.), except surimi and surimi-based products do	85.6	152.5		
Other frozen seafoods, n.s.k.	(X)	-		
Prepared fresh or frozen fish and other seafood, n.s.k.	(X)	729.3	(X)	704.3
Prepared fresh or frozen fish and other seafood, n.s.k., typically for establishments with 10 employees or more (see note)	(X)	590.9	(X)	669.5
Prepared fresh or frozen fish and other seafood, n.s.k., typically for establishments with less than 10 employees (see note)	(X)	138.5	(X)	34.8

See footnotes on next page.

U.S. CENSUS—PRODUCTION BY ALL PRODUCERS from Table 6a—Cont.

Note: In 1987 Census of Manufacturers, data for establishments of small single unit companies with up to 20 employees were estimated from administrative-record data rather than data actually collected from respondents. Employment cutoffs used for administrative records for each industry and shipments figures are included in code ending with "002". In both 1987 and 1982 Censuses of Manufacturers, products not completely identified on standard forms were coded in appropriate product class (five-digit) followed by "00" or to appropriate product group code (four-digit) followed by "000".

[1] Data reported by all producers, not just those with shipments of $100,000 or more. Includes both primary and secondary producers.

[2] For some establishments, data have been estimated from central unit values which are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: *10 to 19 percent estimated; **20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by (S).

[3] Data for "canned soups, except frozen or seafood", were combined with "Other canned specialties and canned nationality foods" to avoid disclosing data for individual companies.

[4] For 1982, "cases" were not defined by size or number per case. Therefore, 1982 quantities are not comparable to 1987.

[5] For 1982, data for "spaghetti, pizza, and marinara sauces, with etc." was included with "tomato sauces, except catsup, chili, etc."

[6] Data for dried and dehydrated potatoes with other ingredients were moved to product class 20997 for 1987.

[7] For 1987, frozen bakery products, except bread, were moved to new industry 2053, and frozen doughs and batters were moved to industry group 204.

[8] For 1987, data for "Frozen rice dishes" was included with "Frozen poultry pies".

(D) Witheld to avoid disclosing data for individual companies; data are included in higher level totals.

(NA) Not Available.

(X) Not Applicable.

N.E.C. - Not elsewhere classified.

N.S.K. - Not specified by kind.

U.S. CENSUS—MATERIALS CONSUMED BY KIND from Table 7

Material	1987		1982	
	Quantity[1]	Delivered cost (million dollars)	Quantity[1]	Delivered cost (million dollars)
INDUSTRY 2032, CANNED SPECIALTIES				
Materials, ingredients, containers, and supplies	**(X)**	**2 549.0**	**(X)**	**2 194.7**
Fresh fruit ... 1,000 s tons	200.3	39.1	110.1	21.0
Fresh vegetables:				
Green peas ... 1,000 s tons	(S)	1.9	*9.5	2.9
White potatoes ... do	90.2	16.8	63.3	9.8
Tomatoes ... do	206.3	52.4	123.2	9.8
Sweet corn ... do	5.3	1.2	68.6	4.6
Green or wax beans ... do	39.1	7.2	30.6	5.2
Mushrooms ... mil lb	(D)	(D)	(3)	(3)
Other fresh vegetables ... 1,000 s tons	(D)	(D)	*244.5	35.4
Sweeteners:				
High fructose corn syrup in terms of solids (HFCS) ... mil lb	*87.8	10.4	(X)	(3)
Crystalline fructose (dry fructose) ... do	.4	.2	(X)	(3)
Dextrose and corn syrup, including corn syrup solids in terms of dry weight ... do	75.1	11.4	(X)	(3)
Sugar (cane and beet) in terms of sugar solids ... 1,000 s tons	48.7	23.6	*67.7	32.2
Other materials, ingredients, containers, and supplies:				
Dried beans ... 1,000 s tons	264.3	147.8	278.7	161.1
Wheat flour ... 1,000 cwt	2 009.1	20.1	1 536.2	19.5
Fats and oils, all types ... mil lb	121.7	38.4	74.3	25.8
Fresh, frozen, and prepared meats, other than poultry ... do	219.3	229.1	196.0	196.9
Dressed poultry ... dressed wt mil lb	54.9	88.4	40.7	44.6
Tomato paste (24 percent NTS equivalent) ... mil lb	466.0	187.8	317.1	109.1
Frozen vegetables (for further processing) ... do	143.9	81.6	77.0	55.7
Printed labels	(X)	47.6	(X)	42.2
Flexible packaging materials (including retort pouches)	(X)	33.0	(X)	19.3
Containers:				
Glass ... 1,000 gross	7 406.1	147.0	**13 247.4	213.1
Paperboard containers, boxes, and corrugated paperboard	(X)	91.8	(X)	75.3
Metal cans	(X)	504.1	(X)	604.9
All other materials, ingredients, containers, and supplies	(X)	586.9	(X)	[3]434.9
Material, ingredients, containers, and supplies, n.s.k.[2]	(X)	76.3	(X)	71.4

See footnotes at end of table.

U.S. CENSUS—MATERIALS CONSUMED BY KIND from Table 7—Cont.

Material	1987		1982	
	Quantity[1]	Delivered cost (million dollars)	Quantity[1]	Delivered cost (million dollars)
INDUSTRY 2033, CANNED FRUITS AND VEGETABLES				
Materials, ingredients, containers, and supplies	(X)	5 951.0	(X)	5 384.2
Fresh fruit:				
Oranges 1,000 s tons	1 063.0	230.7	1 895.9	192.9
Apples do	977.9	111.6	1 388.2	156.7
Apricots do	42.4	12.3	52.6	14.3
Grapes do	384.1	82.8	315.3	61.8
Peaches do	442.9	97.5	578.5	101.1
Pears do	375.2	69.3	310.6	44.3
Pineapples do	362.6	53.7	441.7	44.4
Grapefruit do	267.8	51.6	**607.0	27.3
Other fresh fruits do	402.5	156.1	**429.8	180.4
Fresh vegetables:				
Green peas 1,000 s tons	250.7	60.4	256.7	53.5
White potatoes do	130.8	19.2	121.5	9.5
Tomatoes do	7 414.2	454.4	6 617.8	449.0
Sweet corn do	1 686.3	117.4	1 639.2	94.2
Green or wax beans do	427.2	67.8	*448.7	60.8
Mushrooms mil lb	83.3	59.7	*113.2	69.6
Other fresh vegetables 1,000 s tons	946.3	167.2	**1 138.3	108.5
Sweeteners:				
High fructose corn syrup in terms of solids (HFCS) mil lb	705.8	82.0	(X)	(3)
Crystalline fructose (dry fructose) do	37.5	4.4	(X)	(3)
Dextrose and corn syrup, including corn syrup solids in terms of dry weight do	550.4	56.1	(X)	(3)
Sugar (cane and beet) in terms of sugar solids 1,000 s tons	126.5	58.7	*332.8	126.6
Other materials, ingredients, containers, and supplies:				
Dried beans 1,000 s tons	32.9	15.6	40.4	20.9
Fats and oils, all types mil lb	82.3	18.9	**69.9	21.8
Dried fruit 1,000 s tons	13.7	12.8	31.5	30.4
Concentrated fruit juices mil gal	121.8	576.6	*53.4	318.0
Tomato paste (24 percent NTS equivalent) mil lb	392.2	165.2	412.1	148.2
Frozen fruit (for further processing) do	195.1	96.7	*81.4	89.2
Frozen vegetables (for further processing) do	34.9	14.7	5.7	4.4
Printed labels	(X)	55.9	(X)	61.3
Flexible packaging materials (including retort pouches)	(X)	82.0	(X)	50.3
Containers:				
Paperboard containers, boxes, and corrugated paperboard	(X)	216.6	(X)	145.0
Glass 1,000 gross	21 778.5	448.9	**22 921.6	419.9
Metal cans	(X)	1 079.8	(X)	1 215.9
All other materials, ingredients, containers, and supplies	(X)	892.4	(X)	[3]753.2
Materials, ingredients, containers, and supplies, n.s.k.[2]	(X)	262.0	(X)	309.8
INDUSTRY 2035, PICKLES, SAUCES, AND SALAD DRESSINGS				
Materials, ingredients, containers, and supplies	(X)	2 344.8	(X)	2 264.6
Cucumbers 1,000 s tons	704.3	160.2	*617.0	141.3
Other fresh vegetables do	246.7	83.4	**116.9	33.4
Fresh fruits do	61.5	14.6	22.8	12.9
Dried fruits do	.4	.3	.4	.5
Corn syrup mil lb	392.4	43.9	296.4	32.7
Sugar (cane and beet) 1,000 s tons	78.3	32.5	105.5	53.0
Fats and oils, all types mil lb	1 844.7	402.8	1 950.6	482.4
Paperboard containers, boxes, and corrugated paperboard	(X)	59.8	(X)	49.5
Glass containers 1,000 gross	19 045.8	388.7	*16 109.4	350.1
All other materials, ingredients, containers, and supplies	(X)	985.1	(X)	968.9
Materials, ingredients, containers, and supplies, n.s.k.[2]	(X)	173.5	(X)	139.9

See footnotes at end of table.

U.S. CENSUS—MATERIALS CONSUMED BY KIND from Table 7—Cont.

Material	1987		1982	
	Quantity[1]	Delivered cost (million dollars)	Quantity[1]	Delivered cost (million dollars)
INDUSTRY 2034, DEHYDRATED FRUITS, VEGETABLES, AND SOUPS				
Materials, ingredients, containers, and supplies	**(X)**	**846.2**	**(X)**	**900.7**
Fresh vegetables ... 1,000 s tons	1 135.9	93.4	2 062.5	228.9
Fresh fruits ... do	163.9	45.2	**265.5	27.7
Dried fruits ... do	311.2	311.3	297.0	338.5
Sugar (cane and beet) ... do	4.6	2.5	*19.1	8.8
Paperboard containers, boxes, and corrugated paperboard	(X)	88.7	(X)	59.7
All other materials, ingredients, containers, and supplies	(X)	268.2	(X)	178.5
Materials, ingredients, containers, and supplies n.s.k.[2]	(X)	36.9	(X)	58.6
INDUSTRY 2037, FROZEN FRUITS AND VEGETABLES				
Materials, ingredients, containers, and supplies	**(X)**	**3 347.0**	**(X)**	**2 624.7**
Fresh fruit:				
Oranges ... 1,000 s tons	2 068.5	423.5	*5 805.2	502.8
Apples ... do	183.3	52.1	313.3	39.5
Strawberries ... do	100.3	61.3	*71.7	44.1
Other fresh fruits ... do	798.1	229.1	2 088.9	111.9
Fresh vegetables:				
Green peas ... 1,000 s tons	152.2	36.7	*175.2	37.9
White potatoes ... do	5 218.0	539.5	4 337.0	391.2
Sweet corn ... do	686.6	46.0	792.0	61.3
Green or wax beans ... do	119.4	26.3	150.8	30.1
Other fresh vegetables ... do	1 019.2	280.0	*1 192.9	229.6
Other materials, ingredients, containers, and supplies:				
Sugar, cane and beet, in terms of sugar solids ... 1,000 s tons	63.1	28.1	*56.3	26.2
Frozen fruits for further processing ... mil lb	73.3	49.2	*82.8	53.7
Frozen vegetables for further processing ... do	349.6	131.2	370.3	112.5
Fats and oil, all types ... do	262.5	68.3	**298.5	83.8
Flexible packaging materials, except aluminum	(X)	60.2	(X)	50.6
Containers:				
Paperboard containers, boxes, and corrugated paperboard	(X)	263.8	(X)	195.1
Metal cans	(X)	119.4	(X)	136.5
All other materials, ingredients, containers, and supplies	(X)	859.7	(X)	437.0
Materials, ingredients, containers, and supplies, n.s.k.[2]	(X)	72.6	(X)	80.9
INDUSTRY 2038, FROZEN SPECIALTIES, N.E.C.				
Materials, ingredients, containers, and supplies	**(X)**	**2 538.6**	**(NA)**	**(NA)**
Fresh fruits ... 1,000 s tons	2.5	1.7	(NA)	(NA)
Fresh vegetables ... do	760.2	167.2	(NA)	(NA)
Other materials, ingredients, containers, and supplies:				
Cheese, natural and processed (including imitation cheese and cheese substitutes) ... mil lb	260.3	295.1	(NA)	(NA)
Tomato paste (24 percent NTSS equivalent) ... do	230.1	82.5	(NA)	(NA)
Sugar, cane and beet, in terms of sugar solids ... 1,000 s tons	25.9	13.8	(NA)	(NA)
Meat (fresh, frozen, or prepared) ... mil lb	373.2	458.7	(NA)	(NA)
Frozen vegetables for further processing ... do	216.3	90.8	(NA)	(NA)
Fats and oil, all types ... do	222.9	49.8	(NA)	(NA)
Wheat flour ... 1,000 cwt	11 118.9	135.3	(NA)	(NA)
Poultry (live, fresh, or prepared) ... mil lb	343.0	255.1	(NA)	(NA)
Aluminum packaging material	(X)	33.4	(NA)	(NA)
Flexible packaging materials, except aluminum	(X)	96.6	(NA)	(NA)
Containers:				
Paperboard containers, boxes, and corrugated paperboard	(X)	288.7	(NA)	(NA)
Metal cans	(X)	3.8	(NA)	(NA)
All other materials, ingredients, containers, and supplies	(X)	476.1	(NA)	(NA)
Materials, ingredients, containers, and supplies, n.s.k.[2]	(X)	90.0	(NA)	(NA)

See footnotes at end of table.

U.S. CENSUS—MATERIALS CONSUMED BY KIND from Table 7—Cont.

Material	1987		1982	
	Quantity[1]	Delivered cost (million dollars)	Quantity[1]	Delivered cost (million dollars)
INDUSTRY 2091, CANNED AND CURED FISH AND SEAFOODS				
Materials, ingredients, containers, and supplies	**(X)**	**449.9**	**(X)**	**850.8**
Finfish, round:				
Alaska pollock 1,000 s tons	([3])	([3])	(X)	([4])
Tuna do	([3])	([3])	256.7	271.0
Salmon do	100.9	120.1	*174.3	150.3
Sardines do	([3])	([3])	44.6	5.7
Other finfish, round	(X)	[3]108.9	(S)	37.1
Shellfish:				
Shrimp	(X)	15.7	(X)	40.7
Crabs	(X)	([5])	(X)	6.8
Oysters	(X)	([5])	(X)	5.5
Clams	(X)	34.4	(X)	35.9
Other shellfish	(X)	[5]8.0	(X)	1.4
Fats and oils, all types (purchased as such) mil lb	20.7	6.0	50.4	14.4
Containers:				
Paper and paperboard containers	(X)	14.4	(X)	17.9
Metal containers	(X)	30.2	(X)	113.9
All other materials, ingredients, containers, and supplies	(X)	29.2	(X)	[4]67.4
Materials, ingredients, containers, and supplies, n.s.k.[2]	(X)	83.0	(X)	82.8
INDUSTRY 2092, FRESH OR FROZEN PREPARED FISH AND SEAFOODS				
Materials, ingredients, containers, and supplies	**(X)**	**3 623.2**	**(X)**	**2 705.6**
Finfish, round:				
Alaska pollock 1,000 s tons	44.5	32.8	(X)	([4])
Tuna do	2.4	8.7	(D)	(D)
Salmon do	161.9	348.0	(S)	105.6
Ground fish (cod, cusk, haddock, hake, Atlantic Ocean perch, Atlantic pollock, and whiting) do	173.3	276.0	(S)	177.0
Flounder	(X)	27.1	(X)	(D)
Other finfish, round	(X)	309.3	(X)	131.3
Shellfish:				
Shrimp	(X)	763.3	*107.9	567.8
Crabs	(X)	191.8	(S)	192.6
Oysters	(X)	50.0	(S)	68.2
Clams	(X)	45.8	(S)	52.3
Other shellfish	(X)	120.9	(S)	37.6
Surimi 1,000 s tons	12.9	27.8	(X)	([4])
Frozen fish blocks do	205.4	514.7	*96.1	177.0
Fats and oils, all types (purchased as such) mil lb	76.2	20.8	*96.9	29.3
Containers:				
Paper and paperboard containers	(X)	111.6	(X)	62.3
Metal containers	(X)	15.6	(X)	6.3
All other materials, ingredients, containers, and supplies	(X)	235.6	(X)	[4]159.0
Materials, ingredients, containers, and supplies, n.s.k.[2]	(X)	523.4	(X)	907.9

[1] For some establishments, data have been estimated from central unit values which are based on quantity-cost relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: *10 to 19 percent estimated; **20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by (S).

[2] Total cost of materials of establishments that did not report detailed materials data, including establishments that were not mailed a form.

[3] In Canned and Cured Fish table, alaska pollock, tuna, and sardines are included with Other Finfish, round. In Canned Specialties and Canned Fruits and Vegetables these items are included in All Other Materials.

[4] These materials were included with All Other Materials.

[5] For 1987, Crabs and Oysters were included with Other Shellfish.